



To: Jodi S. Hart, CPPO, CPPB, MBA, Chief Procurement Officer  
From: Donald Morris, AICP, Beach CRA Manager  
Date: June 26, 2020  
Re: Change Order No. # 6 for Project #12315

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Job Description: Project 12315, Project Aquatic Center Renovation Project  
Contractor: Hensel Phelps Construction Co. (Hensel Phelps)  
Amount: Total amount of Change Order # 5, \$5,101,060 plus 93 additional days  
Funding: P12546.346-6599 & P12546.331-6599

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The purpose of this Change Order is:

The City Commission directed staff to increase the height of the dive tower from 10-meters to 27-meters and to add an observation deck to the north building 'B' to the Aquatic Center Project. This is an additive change order for the purpose of funding the construction costs for the 27-meter dive tower.

Hensel Phelps is the design builder for the Aquatic Center Project and is responsible for providing the design and constructing the project. The 27-meter dive tower is an additional scope item and different than what was shown on the design criteria package (DCP) which was included in the City's bidding documents and was the basis upon which Hensel Phelps submitted their contract price.

The \$5,101,060.00 value was derived from proposals from the Hensel Phelps trade partners whom Hensel Phelps has contracted with on this project. The value also includes budgetary numbers for trades that have not been contracted. Finally, the value includes allowances for owner contingency and allowances for scope gap items that Hensel Phelps is responsible to provide and the trade has excluded from their proposal (such as crane matting).

Hensel Phelps tracks any deviations from the DCP and/or construction drawings as a trend estimate during the design process and as a change estimate during the construction process and/or once they have a sub-contractor hired to perform the scope of work. Once the estimate backup and price are negotiated and finalized, they are signed by the City's Representative. Backup for this item is attached as Change Estimate 23.2.



**NEW AND EXISTING CONTRACT ITEMS ARE UTILIZED – TOTAL CREDIT (\$0.00)**

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Item No.1	Description
	Text Here
	<b>DEDUCT</b>

**NEW AND EXISTING CONTRACT ITEMS ARE UTILIZED – TOTAL ADDITIVE COST \$5,101,060.00**

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Item No.1	Description
	Construction of a 27-Meter Dive Tower
	<b>ADD \$5,101,060.00</b>

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<b>NET AMOUNT OF THIS CHANGE ORDER</b>	<b>\$5,101,060.00</b>
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<b>ADDITIONAL CONTRACT TIME BEING REQUESTED–</b>	<b>NINETY-THREE (93) CALENDAR DAYS</b>
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<b>THE TOTAL AMOUNT OF THIS CHANGE ORDER</b>	<b>\$5,101,060.00</b>
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This Change Order provides for all costs and schedule adjustments associated with completing the work, including materials, labor, equipment, bond, insurance, overhead, profit, impacts, and any and all related items or associated costs incurred or resulting from the items listed above, and is provided in accordance with Article 13 – Changes in the Work of the Contract.

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written below.

Hensel Phelps Construction Co.

Approved: \_\_\_\_\_

\_\_\_\_\_  
Greg Jennings, Project Manager

CITY OF FORT LAUDERDALE,  
a municipal corporation of the State of  
Florida.

\_\_\_\_\_  
Jodi S. Hart, CPPO, CPPB, MBA  
Chief Procurement Officer

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

\*Pursuant to Section 2-179 Code of Ordinances of  
the City of Fort Lauderdale, Florida

C: Financial Administrator  
Project File



### CHANGE ORDER SUMMARY SHEET

ORIGINAL CONTRACT AMOUNT	\$26,995,368.00
COST OF CHANGE ORDERS TO DATE	\$4,203,244.00
COST OF THIS CHANGE ORDER	\$5,101,060.00
<b>TOTAL:</b>	<b>\$36,299,672.00</b>
ORIGINAL CONTRACT TIME	777 calendar days
TIME ADDED TO DATE	181 calendar days
TIME ADDED TO THIS CHANGE ORDER	93 calendar days
<b>TOTAL:</b>	<b>1051 calendar days</b>

### SCHEDULE OF CHANGE ORDERS TO DATE

C.O.#	DATE	DESCRIPTION	AMOUNT OF COST OR CREDIT
1	2/6/2020	30% Design Fee for 27M Tower	\$185,218.00
2	2/6/2020	Dept. of Health and Building Code Change	\$230,620.00
3	3/10/2020	100% Design Fee for 27M Tower and Deck	\$501,493.00
4	3/10/2020	Deep Foundations for 27M Tower and Deck	\$516,712.00
5	6/29/2020	North Observation Deck	\$2,769,201.00



The Fort Lauderdale Aquatic Center  
501 Seabreeze Blvd  
Fort Lauderdale, Florida 33316  
954.361.2151 (O)

Monday, June 22, 2020

Thomas Green  
City of Fort Lauderdale  
Community Redevelopment Agency  
Fort Lauderdale Aquatic Center  
914 NW 6th St  
Fort Lauderdale, FL 33311

**Subject: Change Estimate No. 023.2**  
**27M Dive Tower Construction Costs per Rev. 7**  
**Serial Letter No. 095**

Thomas Green

The total estimated cost for this modification is . . . . . **\$5,101,060**

Hensel Phelps is pleased to provide the following proposal for Change Estimate No. 0023.2, dated June 22nd, 2020. This change estimate is for the labor, material and equipment costs associated with construction of the new 27M Dive Tower and associated platforms at the Fort Lauderdale Aquatic Center per the Revision 7 drawings dated February 13th, 2020.

If you should have any questions concerning the attached, please contact James Camps at 305-967-3195.

Respectfully,

**Hensel Phelps**

James Camps  
Project Engineer

Enclosed:

Qualifications & Assump.
Detailed Proposal
Proposal Back-up

C:  
GJ, KC, BP, DP  
CE No.  
8018173

023.2

*Tom Green*  
\_\_\_\_\_  
Signature

**6/29/2020**  
\_\_\_\_\_  
Date

Fort Lauderdale Aquatic Center

Project #

8018173

 CE NO.: 023.2

 DESCRIPTION: 27M Dive Tower Construction Costs per Rev. 7




 DATE: 6/22/2020

### QUALIFICATIONS AND ADDITIONAL INFORMATION

- 1 This change estimate is for the labor, material and equipment costs associated with construction of the new 27M Dive Tower and associated platforms at the Fort Lauderdale Aquatic Center per the Revision 7 Drawings dated February 13th, 2020.
- 2 Pece of Mind - Cost associated with removal/cutting of excess permanent sheets carried in Approved CE#23.1 (02.26.2020); CFL CO# 04.
- 3 Griffin Dewatering - Additional cost for dewatering rental carried in Approved CE#23.1 (02.26.2020); CFL CO#04.
- 4 Redland Construction - Added costs for the labor, material, and equipment associated with revisions to the underground site utilities and drainage for the erection 27M Dive Tower. This includes modification to the drainage across the pile cap and the potable water from the dumpster enclosure.
- 5 HJ Foundations - Added costs for the added 18" Augercast piles and additional 14" Augercast Piles costs carried in Approved CE#23.1 (02.26.2020); CFL CO#04.
- 6 HJ Foundations - Additional temporary sheet pile costs carried in Approved CE#23.1 (02.26.2020); CFL CO#04.
- 7 HJ Foundations - Added costs for increasing the depth of (19) 18" Piles from -57' NAVD to -64' NAVD and increasing the depth of (16) 18" piles from -46' NAVD to -64' NAVD along with additional (2) #10 reinforcing bars and extension of #8 cages to the new depth per HP RFI #25.  
  
Costs also account to down time associated with the field staff retying reinforcing and resequencing flow of work last minute.
- 8 Additional Survey for Tolerances - Anticipated costs to verify tower deflection tolerances during and at completion of erection of 27M Dive Tower.
- 9 The Structure Group - Costs incurred are for the credit of labor and material on the original 10M Dive Tower carried in Approved CE#23.1 (02.26.2020); CFL CO#04.
- 10 The Structure Group - Costs incurred are for the added labor and material for the new 27M Dive Tower Pile Cap carried in Approved CE#23.1 (02.26.2020); CFL CO#04.
- 11 Gate Precast - Cost associated with providing the labor for design of shop drawings for submittal of the 27M Dive Platform carried in Approved CE#23.1 (02.26.2020); CFL CO#04.

- 12** Architectural Precast 27M Dive Tower and Platform Costs - Cost associated with providing the delegated design, material, equipment and labor for erecting of the 27M Dive Tower and the associated dive platforms. Cost include the architectural cladding (GFRC) that is to be installed throughout the 27M Tower Platforms.
- 13** Topping Slab Budget - Budgetary costs associated with the potential of a secondary pour being required at the base of the 27M Dive Tower to ensure an accurate finish floor level at the interior of the tower.
- 14** Miscellaneous Metals Fabricators, LLC. - Costs incurred are for the redesigned and additional rails for the interior and exterior of the 27M Dive Tower and its associated platforms.
- 15** Fence Masters - Costs incurred are for the additional fences gates at the ground level (Tower Core, 1M Platform and 3M Platform) and 15M level of the 27M Dive Tower.
- 16** Roughtex Budget - Budgetary costs associated with the labor and material for procuring and installing the Roughtex throughout the 27M Dive Tower's multiple platforms.
- Costs for material is qualified as 2-ply in the grey color offered Springs and More.
- 17** Weller Pools - Costs incurred for the redesigned of the gutter system along the south face of the Dive Pool to accommodate the architectural integrity of the 27M Dive Tower.
- 18** Rightway Plumbing - Costs incurred are for the additional labor, material and equipment for the added water lines, water spigots and booster pump to feed the entire 27M Dive Tower.
- 19** Electrical Costs - Costs incurred are for the additional labor, material and equipment for additional raceways, lights and misc. material for the 27M Dive Tower and associated platforms.
- Please note that the lighting package is an alternate equal to the make, model and location of specified lighting with Rev. 7 electrical drawings.
- 20** Lagan Engineering - Additional costs associated with the calculation and analysis required for the additional bearing capacity of soils for lengthen the (35) 18" piles at the 27M Dive Tower.
- 21** Additional Construction Administration Costs for Designers - Budgeted additional cost for construction administration due to re-reviewal of previous submittals, requests for information and site visits for the added scope of work with 27M Dive Tower and associated platforms.
- 22** Owner Contingency Reserves - Costs associated with any unforeseen, unanticipated or unplanned work to be done on the 27M Dive Platform.
- 23** Hensel Phelps General Conditions and Requirement Costs - Costs incurred General Conditional and Requirements for the addition of a 27M Dive Tower at the Fort Lauderdale Aquatic Center.
- 24** Hensel Phelps has incurred a schedule impact of three months that is associated with the addition of the 27M Dive Platform. This impact has pushed the original Substantial Completion date of from September 2020 to December 2020. This has also impacted the general conditions originally budgeted for the project, these costs are captured within this change estimate. Please reference TIA-03 that denotes the 27M activities.



8018173 Fort Lauderdale Aquatic Center  Estimate Worksheet		<b>Change Estimate No. 023.2</b> <b>DETAILED PROPOSAL</b> 27M Dive Tower Construction Costs per Rev. 7								Est. DATE: <b>6/22/2020</b>	
ITEM #	DESCRIPTION OF WORK	QUANTITY	UNITS	MATERIAL UNIT PRICE	MATERIAL EXTENSION	LABOR w/ Burden UNIT PRICE	LABOR w/ Burden EXTENSION	EQUIPMENT or OTHER UNIT PRICE	EQUIPMENT or OTHER EXTENSION		TOTAL PROPOSAL
<b>1.0</b>	<b>Div. 02 - Site Conditions</b>										
1.1	Pece of Mind - Cost associated with removal/cutting of excess permanent sheets carried in Approved CE#23.1 (02.26.2020); CFL CO# 04.	0.00	LS	\$ 5,808.00	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
1.2	Griffin Dewatering - Additional cost for dewatering rental carried in Approved CE#23.1 (02.26.2020); CFL CO#04.	0.00	MN	\$ -	\$ -	\$ -	\$ -	\$ 4,800.00	\$ -		\$ -
1.3	Redland Construction - Added costs for the labor, material, and equipment associated with revisions to the underground site utilities and drainage for the erection 27M Dive Tower. This includes modificaiton to the drainage across the pile cap and the potable water from the dumpster enclosure.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 25,003.00	\$ 25,003.00		\$  25,003
1.4	HJ Foundations - Added costs for the added 18" Augercast piles and additional 14" Augercast Piles costs carried in Approved CE#23.1 (02.26.2020); CFL CO#04.	0.00	LS	\$ -	\$ -	\$ 183,643.37	\$ -	\$ -	\$ -		\$ -
1.5	HJ Foundations - Additional temporary sheet pile costs carried in Approved CE#23.1 (02.26.2020); CFL CO#04.	0.00	MN	\$ 7,000.00	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
1.6	HJ Foundations - Added costs for increasing the depth of (19) 18" Piles from -57' NAVD to -64' NAVD and increasing the depth of (16) 18" piles from -46' NAVD to -64' NAVD along with additional of (2) #10 reinforcing bars and extension of #8 cages to the new depth per HP RFI #25.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 24,200.00	\$ 24,200.00		\$  24,200
1.7	Additional Survey for Tolerances - Anticipated costs to verify tower deflection tolerances during and at completion of erection of 27M Dive Tower.	1.00	LS	\$ 8,981.00	\$ 8,981.00	\$ -	\$ -	\$ 21,560.00	\$ 21,560.00		\$  30,541
<b>2.0</b>	<b>Div. 03 - Concrete</b>										
2.1	The Structure Group - Costs incurred are for the credit of labor and material on the original 10M Dive Tower carried in Approved CE#23.1 (02.26.2020); CFL CO#04.	0.00	LS	\$ -	\$ -	\$ (15,394.69)	\$ -	\$ -	\$ -		\$ -
2.2	The Structure Group - Costs incurred are for the added labor and material for the new 27M Dive Tower Pile Cap carried in Approved CE#23.1 (02.26.2020); CFL CO#04.	0.00	LS	\$ -	\$ -	\$ 78,547.29	\$ -	\$ -	\$ -		\$ -








8018173 Fort Lauderdale Aquatic Center			Change Estimate No. 023.2 DETAILED PROPOSAL								Est. DATE: 6/22/2020	
Estimate Worksheet			27M Dive Tower Construction Costs per Rev. 7									
ITEM #	DESCRIPTION OF WORK	QUANTITY	UNITS	MATERIAL UNIT PRICE	MATERIAL EXTENSION	LABOR w/ Burden UNIT PRICE	LABOR w/ Burden EXTENSION	EQUIPMENT or OTHER UNIT PRICE	EQUIPMENT or OTHER EXTENSION		TOTAL PROPOSAL	
2.3	Gate Precast - Cost associated with providing the labor for design of shop drawings for submittal of the 27M Dive Platform carried in Approved CE#23.1 (02.26.2020); CFL CO#04.	0.00	LS	\$ -	\$ -	\$ 160,000.00	\$ -	\$ -	\$ -		\$ -	
2.4	Architectural Precast 27M Dive Tower and Platform Costs - Net cost associated with providing the delegated design, material, equipment and labor for erecting a 27M Dive Tower and the associated dive platforms.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 3,663,503.00	\$ 3,663,503.00		\$ 3,663,503	
											3,660,339	
											(-) 3,164	
3.0	Div. 05 - Metal											
3.1	Miscellaneous Metals Fabricators, LLC. - Costs incurred are for the redesigned and additional rails for the interior and exterior of the 27M Dive Tower and its associated platforms.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 175,074.25	\$ 175,074.25		✓ 175,074	
3.2	Fence Masters - Costs incurred are for the additional fences gates at the ground level (Tower Core, 1M Platform and 3M Platform) and 15M level of the 27M Dive Tower.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 9,620.00	\$ 9,620.00		\$ ✓ 9,620	
4.0	Div. 09 - Finishes											
4.1	Roughtex Budget - Budgetary costs associated with the labor and material for procuring and installing the Roughtex throughout the 27M Dive Tower's multiple platforms. <i>Costs for material is qualified as 2-ply in the grey color offered Springs and More.</i>	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 73,198.00	\$ 73,198.00		\$ 73,198	
											67,468	
											(-) 5,730	



8018173 Fort Lauderdale Aquatic Center			Change Estimate No. 023.2 DETAILED PROPOSAL							Est. DATE: 6/22/2020	
Estimate Worksheet			27M Dive Tower Construction Costs per Rev. 7								
ITEM #	DESCRIPTION OF WORK	QUANTITY	UNITS	MATERIAL UNIT PRICE	MATERIAL EXTENSION	LABOR w/ Burden UNIT PRICE	LABOR w/ Burden EXTENSION	EQUIPMENT or OTHER UNIT PRICE	EQUIPMENT or OTHER EXTENSION		TOTAL PROPOSAL
5.0	Div. 13 - Pools										
5.1	Weller Pools - Costs incurred for the redesigned of the gutter system along the south face of the Dive Pool to accommodate the architectural integrity of the 27M Dive Tower.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 4,914.00	\$ 4,914.00	\$	<del>4,914</del> 4,876 (-) 38
6.0	Div. 15 - Plumbing										
6.1	Rightway Plumbing - Costs incurred are for the additional labor, material and equipment for the added water lines, water spigots and booster pump to feed the entire 27M Dive Tower.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 40,410.00	\$ 40,410.00	\$	<del>40,410</del> 40,160 (-) 250
7.0	Div. 16 - Electrical										
7.1	Electrical Costs - Costs incurred are for the additonal labor, material and equipment for additional raceways, lights and misc. material for the 27M Dive Tower and associated platforms.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$124,457	\$ 124,457.34	\$	<del>124,457</del> 123,784 (-) 673
8.0	Div. 90 Owner Contingency										
8.1	Owner Contingency Reserves - Costs associated with any unforeseen, unanticipated or unplanned work to be done on the 27M Dive Platform.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$99,000	\$ 99,000.00	\$	<del>99,000</del> 108,885 (+) 9,885



8018173 Fort Lauderdale Aquatic Center				Change Estimate No. 023.2 DETAILED PROPOSAL 27M Dive Tower Construction Costs per Rev. 7						Est. DATE: 6/22/2020			
Estimate Worksheet													
ITEM #	DESCRIPTION OF WORK	QUANTITY	UNITS	MATERIAL UNIT PRICE	MATERIAL EXTENSION	LABOR w/ Burden UNIT PRICE	LABOR w/ Burden EXTENSION	EQUIPMENT or OTHER UNIT PRICE	EQUIPMENT or OTHER EXTENSION		TOTAL PROPOSAL		
9.0	Div. 90 - Additional GR/GCs Incurred												
9.1	Hensel Phelps General Conditions and Requirement Costs - Costs incurred General Conditional and Requirements for the addition of a 27M Dive Tower at the Fort Lauderdale Aquatic Center.	3.00	MNTH	\$ -	\$ -	\$ -	\$ -	\$ 404,155.47	\$ 404,155.47		\$  404,155		
10.0	Div. 90 - A/E Design Costs												
10.1	Lagan Engineering - Additional costs associated with the calculation and analysis required for the additional bearing capacity of soils for lengthen the (35) 18" piles at the 27M Dive Tower.	1.00	LS	\$ -	\$ -	\$ 3,500.00	\$ 3,500.00	\$ -	\$ -		\$  3,500		
10.2	Additional Construction Administration Costs for Designers - Budgeted additional cost for construction administration due to re-review of previous submittals, requests for information and site visits for the added scope of work with 27M Dive Tower and associated platforms.	1.00	LS	\$ -	\$ -	\$ -	\$ -	\$ 59,694.67	\$ 59,694.67		\$  59,695		
SUBTOTAL					\$106,035.00		\$66,050.00		\$4,924,421.73		\$4,737,271		
11.0	Miscellaneous										\$ -		
11.1	Subcontractor Bonds - w/ Above Sub Proposals	w/ Above						\$ -	\$ -		\$ -		
11.2	Hensel Phelps Fee (6.0%)	6.00%	%					\$ 284,236.24	\$ 284,236.24		\$ 284,236		
11.3	Hensel Phelps G/L Insurance (0.54%)	0.54%	%					\$ 25,717.70	\$ 25,717.70		\$ 25,718		
11.4	Hensel Phelps Builder's Risk Insurance (0.58%)	0.58%	%					\$ 27,488.16	\$ 27,488.16		\$ 27,488		
11.5	Hensel Phelps P&P Bond (0.55%)	0.55%	%					\$ 26,347.62	\$ 26,347.62		\$ 26,348		
TOTAL											\$ 5,101,060		

**TOTAL PROPOSAL**

**\$ 5,101,060**



PROJECT: Fort Lauderdale Aquatic Center

**FUNDING:** Revision #7 - Change Order

INITIATED : 04/02/20

CAM #20-0487  
Exhibit 3  
Page 12 of 73



## BUDGET BREAKOUT REPORT - REV #7 - MISC METALS

PROJECT: [Fort Lauderdale Aquatic Center](#)

FUNDING: [Revision #7 - Change Order](#)

INITIATED : [04/02/20](#)

SEC. NO.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
<b>BUDGET:</b>					
	<b>Building B - Misc Iron</b>				
Item # 1	Wall Railing	128	SQFT	160.00	20,480
Item # 2	Elevator Misc Iron	1	LSUM	7,500.00	7,500
Item # 3	Roof Ladder	1	LSUM	3,800.00	3,800
Item # 10	Steel Column	1	LSUM	4,016.80	4,017
Item # 11	Lighted Railings	136	LN.FT.	390.00	53,040
Item # 12	Guardrail - Stair	4	LNFT	300.00	1,200
Item # 13	Fall Protection guardrail	42	LNFT	200.00	8,400
	Subcontractor Bond	3%	\$SUB	98,436.80	2,953
	<b>Iding B - Misc Metal Fab - Budget breakout</b>				<b>\$101,390</b>
<b>BUDGET:</b>					
	<b>27m Tower - Misc Iron</b>				
Item # 4	Guardrail at Stairs	93	LNFT	300.00	27,900
Item # 5	Gates - 42" high with vertical pickets	2	EACH	1,250.00	2,500
Item # 6	Sliding Alum Gate - 4ft x 7ft	1	LSUM	2,500.00	2,500
Item # 7	Sliding Alum Gate - 8'-7" x 7ft	1	LSUM	4,500.00	4,500
Item # 8	Wall Rail at Dive Tower	170	SQFT	160.00	27,200
Item # 9	Upgrade Railing at Dive Tower	571	LN.FT.	125.00	71,375
Item # 14	Guardrail at Stair Tower	170	LN.FT.	200.00	34,000
	Subcontractor Bond	3%	\$SUB	169,975.00	5,099
	<b>Subtotal 27M Tower - Misc Metal Fab - Budget breakout</b>				<b>\$175,074</b>
	Subtotal Building B - Misc Metal Fab - Budget breakout	1	LSUM	101,389.90	101,390
	Subtotal 27M Tower - Misc Metal Fab - Budget breakout	1	LSUM	175,074.25	175,074
	<b>Subtotal Misc Metal Fab Proposal</b>				<b>\$276,464</b>
<b>HP Review - Scope missing from Misc Metal Fab proposal</b>					
	Guardrail around perimeter of Stair #2 - Building B (not included in proposal by Misc Metal Fab)	48	LN.FT.	300.00	14,400
	Subcontractor Bond	3%	\$SUB	14,400.00	432
					<b>\$14,832</b>
<b>Misc Iron Summary</b>					
	Subtotal Building B - Misc Metal Fab - Budget breakout	1	LSUM	101,389.90	101,390
	Subtotal HP Review - Missing Scope (allocate to Bldg B)	1	LSUM	14,832.00	14,832
	<b>Subtotal Building B - Budget breakout</b>				<b>\$116,222</b>
	Subtotal 27M Tower - Misc Metal Fab - Budget breakout	1	LSUM	175,074.25	175,074
	<b>Subtotal 27m Tower - Budget breakout</b>				<b>\$175,074</b>
	<b>NET CHANGE:</b>				<b>\$291,296</b>



## TREND ESTIMATE REPORT - Resilient Flooring - Rough Tex

PROJECT: [Fort Lauderdale Aquatic Center](#)

FUNDING: [Revision #7 - Change Order](#)

INITIATED : [04/02/20](#)

SEC. NO.	DESCRIPTION	FSR	QTY	UNIT	UNIT COST	TOTAL
ORIGINAL BUDGET:	<b>C3020 - Floor Finishes</b>					
	Provide Rough-Tex at 10M Dive Tower					
	3-Ply Black Rough-Tex	9.03	1,160	SQFT	10.80	12,528
	P.U. 105 Polyurethane Adhesive (2 gallon)	9.03	10	EACH	165.57	1,656
	Trim & Accessories	9.03	1	LSUM	1,500.00	1,500
	Installation	9.03	1,160	SQFT	9.00	10,440
	Slab/floor prep	9.03	1,160	SQFT	1.25	1,450
	Dumpsters		1	EACH	450.00	450
Subtotal Original Budget						<b>\$28,024</b>
REVISED BUDGET:	<b>C3020 - Floor Finishes</b>					
	Provide Rough-Tex at 27m Dive Tower					
	2-Ply Gray Rough-Tex	9.03	2,401	SQFT	19.44	46,682
	P.U. 105 Polyurethane Adhesive (2 gallon)	9.03	24	EACH	165.57	3,976
	Factory Heat Splice	9.03	380	LNFT	28.00	10,640
	Waste from material manufactured in rolls (15%)	9.03	360	SQFT	19.44	7,002
	Material Tax	9.03	7%	LSUM	68,300.10	4,781
	Shipping and Handling	9.03	1	LSUM	500.00	500
	Installation					
	HP Craft Foreman - 2,614 SF @ 0.05 HRS / SF	9.03	131	HRS	42.67	5,577
	HP Craft Carpenter - 2,614 SF @ 0.05 HRS / SF	9.03	131	HRS	38.10	4,980
	HP Craft Labor - 2,614 SF @ 0.10 HRS / SF	9.03	261	HRS	28.51	7,453
	Slab/floor prep	9.03	2,401	SQFT	1.25	3,002
	Dumpsters		2	EACH	450.00	900
	Self Work Contractor's Fee		6.00%	LSUM	95,491.92	5,730
						0
Subtotal Revised Budget						<b><del>\$101,221</del></b>
NET CHANGE:						<b><del>-\$73,198</del></b>

95,491

67,468



PROJECT: Fort Lauderdale Aquatic Center

FUNDING: Revision #7 - Change Order

INITIATED : 04/02/20

BUDGET:	27M Tower- Electrical				
	Hypower Proposal	1	\$SUB	89,457.34	89,457
	Subcontractor Bond	1	\$SUB	w/above	w/above
	Lighting Coordination and revisions at Dive Tower accent lighting	1	\$HP	20,000.00	20,000
	Lighting Protection Allowance	1	\$HP	15,000.00	15,000
				0	
				0	
Subtotal 27M - Electrical - Budget breakout					\$124,457

## Owner Allowances - 27m Dive Tower - Rev #7

PROJECT: [Fort Lauderdale Aquatic Center](#)

FUNDING: [Revision #7 - Change Order](#)

ADJ EST NO.:

INITIATED : [04/02/20](#)

SEC. NO.	DESCRIPTION	FSR	QTY	UNIT	UNIT COST	TOTAL
ORIGINAL BUDGET:						
Subtotal Original Budget						\$0
REVISED BUDGET:	<b>Owner Allowances - Rev #7 - 27M</b>					
	Owner Testing and inspection for offsite precast		1	ALLOW	20,000.00	20,000
	Custom Anchor and backstroke flag at Dive Pool		1	LSUM	4,000.00	4,000
	Signage at Dive Tower		500	SQ.FT.	30.00	15,000
	Musco lighting		1	LSUM	30,000.00	30,000
	South Dive Pool Wall Final Design/Construction		1	LSUM	30,000.00	30,000
Subtotal Owner Allowance - Rev #7						\$99,000
NET CHANGE Direct work:						\$99,000
<b>Indirects</b>						
	General Conditions		0	LSUM	n/a	n/a
	General Requirements		0	LSUM	n/a	n/a
	Contractor's Bonds		#REF!	LSUM	n/a	n/a
	Subcontractor & Supplier Bonds		#REF!	LSUM	n/a	n/a
	Builder's Risk Insurance		0	LSUM	n/a	n/a
	General Liability Insurance		0.54166%	LSUM	n/a	n/a
	A & E Design Costs		0	LSUM	n/a	n/a
	Bidding & Construction Reserves		0	LSUM	n/a	n/a
						0
NET CHANGE:						\$99,000







Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	2020												2021											
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug								
Pool Construction	PROCPOL83	FAB&SHIP - Teaching Pool & Spa Vac Pac Assembly	20	20	10-Jul-20	06-Aug-20																							
	PROCPOL72	DELIVER - Gas Pool Heater Submittals & SD	5	5	17-Jul-20	23-Jul-20																							
	PROCPOL60	DELIVER - Water Level Controllers Gutters Submittals & SD All Pools	5	5	07-Aug-20	13-Aug-20																							
	PROCPOL84	DELIVER - Teaching Pool & Spa Vac Pac Assembly	5	5	07-Aug-20	13-Aug-20																							
	PROCPOL115	FAB&SHIP - Colorado Timeing System Submittals & SD	20	20	14-Sep-20	09-Oct-20																							
	PROCPOL116	DELIVER - Colorado Timeing System	5	5	12-Oct-20	16-Oct-20																							
	PROCPOL64	DELIVER - Handicap Equipment Submittals & SD ALL POOLS	5	5	21-Oct-20	27-Oct-20																							
	PROCPOL81	DELIVER - Safety & Cleaning Equipment	5	5	06-Jan-21	12-Jan-21																							
	PROCPOL40	DELIVER - Pumping Equipment Submittals ALL POOLS	5	5	25-Jan-21	29-Jan-21																							
	PROCPOL44	DELIVER - Filtration Equipment Submittals ALL POOLS	5	5	25-Jan-21	29-Jan-21																							
	PROCPOL48	DELIVER - Chemical Treatment Systems Submittals ALL POOLS	5	5	25-Jan-21	29-Jan-21																							
	PROCPOL52	DELIVER - Chemical Controllers Submittals ALL POOLS	5	5	25-Jan-21	29-Jan-21																							
	PROCPOL56	DELIVER - Flow Meters Submittals ALL POOLS	5	5	25-Jan-21	29-Jan-21																							
	PROCPOL108	DELIVER - GeoThermal System Submittal & SD	5	5	25-Jan-21	29-Jan-21																							
	PROCPOL68	DELIVER - Sparger Submittals & SD	5	5	10-May-21	14-May-21																							
Pool Finish Materials																													
PROCPOL75	FAB&SHIP - Rough-Tex Submittals & SD	20	20	27-Apr-20	22-May-20																								
PROCPOL76	DELIVER - Rough-Tex Submittals & SD	5	5	22-Dec-20	29-Dec-20																								
Pool Competition Appurtenances																													
PROCPOL34	APPROVE - Competition Equipment Submittals & SD ALL POOLS	10	1	05-Feb-20 A	27-Apr-20																								
PROCPOL35	FAB&SHIP - Competition Equipment Submittals & SD ALL POOLS	20	20	28-Apr-20	26-May-20																								
PROCPOL36	DELIVER - Competition Equipment Submittals & SD ALL POOLS	5	5	01-Oct-20	07-Oct-20																								
Pool Accessories																													
PROCPOL109	PREP&SUBMIT - Pool Accessories & Signage Submittals	15	5	17-Mar-20 A	01-May-20																								
PROCPOL110	APPROVE - Pool Accessories & Signage Submittals	10	10	04-May-20	15-May-20																								
PROCPOL111	FAB&SHIP - Pool Accessories & Signage	20	20	18-May-20	15-Jun-20																								
PROCPOL112	DELIVER - Pool Accessories & Signage	5	5	25-Sep-20	01-Oct-20																								
Buildings & Deep Fnds Structural Items																													
TIA03-11	Release Design for Dive Tower Shop Drawings	0	0	14-May-20																									
TIA03-16	Prep & Submit Dive Tower Precast Engineered Shop Drawings	60	60	14-May-20	07-Aug-20																								
TIA03-17	Review & Approve Dive Tower Precast Shop Drawings	10	10	10-Aug-20	21-Aug-20																								
TIA03-20	Prep & Submit Dive Tower Misc. Metals Shop Drawings	15	15	10-Aug-20	28-Aug-20																								
TIA03-18	Fabricate Dive Tower Precast Components	80	80	24-Aug-20	21-Dec-20																								
TIA03-26	Fabricate Dive Tower GFRC Components	80	80	24-Aug-20	21-Dec-20																								
TIA03-21	Review & Approve Dive Tower Misc. Metals Shop Drawings	10	10	31-Aug-20	14-Sep-20																								
TIA03-22	Fab & Ship Dive Tower Misc. Metals Shop Drawings	60	60	15-Sep-20	14-Dec-20																								
TIA03-19	Ship Dive Tower Precast Components	5	5	22-Dec-20	29-Dec-20																								
TIA03-12	Deliver Dive Platform Precast Materials	0	0		29-Dec-20																								
TIA03-23	Deliver Dive Tower Misc. Metals	0	0		29-Dec-20																								
TIA03-28	Deliver Dive Tower GFRC Components	5	5	11-Feb-21	17-Feb-21																								
Pile Material																													
PROCSTRUC17	PREP&SUBMIT- Existing Pile Testing Results	15	15	27-Apr-20	15-May-20																								
PROCSTRUC21	PREP&SUBMIT- Existing Pile Re Use Rebar Materials SD	15	15	27-Apr-20	15-May-20																								
PROCSTRUC18	APPROVE- Existing Pile Testing Results	10	10	18-May-20	01-Jun-20																								
PROCSTRUC22	APPROVE- Existing Pile Re Use Rebar Materials SD	10	10	18-May-20	01-Jun-20																								
PROCSTRUC33	DELIVER- Existing Pile Re Use Rebar Materials SD	5	5	30-Nov-20	04-Dec-20																								

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining W...

Milestone

Balance to Complete All

CITY OF FORT LAUDERDALE

HENSEL PHELPS

Plan. Build. Manage.

Aquatic Center - Schedule Update April 2020

TIA-03 is added time associated with GMP Added CE #023.2 - 27M Dive Tower



FLAC April 2020 Update				MPF BTC SORT				PAGE 4of13				27-Apr-20 11:34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	2020												2021											
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug								
PROEXTFIN7	DELIVER- Grandstand Bleacher Framing Soffit	5	5	18-Mar-21	24-Mar-21																								
Bleachers																													
PROCBLEACH02	APPROVE- Bleachers SD & PD	15	1	23-Dec-19 A	27-Apr-20																								
PROCBLEACH03	FAB&SHIP- Bleachers SD & PD	60	60	28-Apr-20	22-Jul-20																								
PROCBLEACH04	DELIVER- Bleachers SD & PD	5	5	18-Mar-21	24-Mar-21																								
Canopys & Entrance Covered Walkway																													
Window Canopies																													
PROCCAN02	APPROVE-Window Canopies	10	5	17-Oct-19 A	01-May-20																								
PROCCAN03	FAB&SHIP-Window Canopies	40	40	04-May-20	29-Jun-20																								
PROCCAN04	DELIVER-Window Canopies	5	5	25-Jan-21	29-Jan-21																								
Entrance Canopies																													
PROCCAN07	APPROVE-Entrance Canopies	10	5	17-Oct-19 A	01-May-20																								
PROCCAN08	FAB&SHIP-Entrance Canopies	60	60	04-May-20	28-Jul-20																								
PROCCAN05	DELIVER-Entrance Canopies	5	5	25-Jan-21	29-Jan-21																								
Interior Finishes																													
HM Frames Doors & Hardware																													
PROCINTF2	FAB&SHIP- Hollw Metal Frames	20	20	27-Apr-20	22-May-20																								
PROCINTF6	FAB&SHIP- Doors & Hardware	60	60	27-Apr-20	21-Jul-20																								
PROCINTF3	DELIVER- Hollw Metal Frames	5	5	29-Oct-20	09-Nov-20																								
PROCINTF7	DELIVER- Doors & Hardware	5	5	19-Apr-21	23-Apr-21																								
Misc Metals																													
PROCINTF17	APPROVE- Handrails, Guardrails & Ladders	10	10	27-Apr-20	08-May-20																								
PROCINTF18	FAB&SHIP- Handrails, Guardrails & Ladders	20	20	11-May-20	08-Jun-20																								
PROCINTF19	DELIVER- Handrails, Guardrails & Ladders	5	5	19-Apr-21	23-Apr-21																								
Epoxy Flooring																													
PROCINTF21	APPROVE- Epoxy Flooring	10	10	27-Apr-20	08-May-20																								
PROCINTF22	FAB&SHIP- Epoxy Flooring	15	15	11-May-20	01-Jun-20																								
PROCINTF23	DELIVER- Epoxy Flooring	5	5	22-Mar-21	26-Mar-21																								
Paint																													
PROCINTF25	APPROVE- Paints	10	10	27-Apr-20	08-May-20																								
PROCINTF26	FAB&SHIP- Paints	10	10	11-May-20	22-May-20																								
PROCINTF27	DELIVER- Paints	5	5	22-Mar-21	26-Mar-21																								
Toilet Partitions & Accessories																													
PROCINTF13	APPROVE- Toilet Partitions & Accesories	10	10	27-Apr-20	08-May-20																								
PROCINTF14	FAB&SHIP- Toilet Partitions & Accesories	40	40	11-May-20	07-Jul-20																								
PROCINTF15	DELIVER- Toilet Partitions & Accesories	5	5	22-Mar-21	26-Mar-21																								
Kitchen Equipment																													
PROCINTF8	PREP&SUBMIT- Kitchen Equipment	15	15	24-Dec-20	15-Jan-21																								
PROCINTF9	APPROVE- Kitchen Equipment	10	10	18-Jan-21	29-Jan-21																								
PROCINTF10	FAB&SHIP- Kitchen Equipment	40	40	01-Feb-21	26-Mar-21																								
PROCINTF11	DELIVER- Kitchen Equipment	5	5	22-Mar-21	26-Mar-21																								
Elevators																													
PROCELEV10	PREP&SUBMIT - Elevator Shops	20	20	26-May-20	22-Jun-20																								
PROCELEV11	APPROVE - Elevator Shops	10	10	23-Jun-20	07-Jul-20																								
PROCELEV12	FAB&SHIP - Elevator Rails, Cabs & Equipment	60	60	08-Jul-20	30-Sep-20																								
PROCELEV14	FAB&SHIP - Elevator Interiors	45	45	08-Jul-20	09-Sep-20																								
PROCELEV13	DELIVER - Elevator Rails, Cabs & Equipment	5	5	01-Oct-20	07-Oct-20																								

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining W...

Milestone

Balance to Complete All

CITY OF FORT LAUDERDALE

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Plan. Build. Manage.

Aquatic Center - Schedule Update April 2020

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	2020												2021																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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PROCELEV17	DELIVER - Elevator Interiors	5	5	19-Apr-21	23-Apr-21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			









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						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
DIVEP1	Install Floor Utilites & Sparger Utilities @ Dive Pool	15	15	23-Jun-20	14-Jul-20																								
DIVEP2	FRP Pool Bottom @ Dive Pool	15	15	23-Jun-20	14-Jul-20																								
DIVEP3	Install Wall Utilities @ Dive Pool	10	10	15-Jul-20	28-Jul-20																								
DIVEP4	FRP Walls @ Dive Pool	40	40	15-Jul-20	09-Sep-20																								
DIVEP5	Strip Forms @ Dive Pool	5	5	10-Sep-20	16-Sep-20																								
DIVEP6	Walls Cure Prior To Sheet Pile Removal	15	15	10-Sep-20	30-Sep-20																								
DIVEP7	Scaffold Inside @ Dive Pool	7	7	10-Sep-20	18-Sep-20																								
DIVEP8	FRP Surge Tank & Drain Tank @ Dive Pool	20	20	10-Sep-20	07-Oct-20																								
DIVEP9	Utilities To Grandstand Building	15	15	22-Oct-20	16-Nov-20																								
DIVEP10	Backfill Around Pool Exterior @ Dive Pool	15	15	17-Nov-20	09-Dec-20																								
DIVEP11	Install Gutter, Piping & Grout In Place @ Dive Pool	20	20	10-Dec-20	08-Jan-21																								
DIVEP12	Tile Lane & Targets @ Dive Pool	14	14	11-Jan-21	28-Jan-21																								
DIVEP13	Diamond Brite @ Dive Pool	15	15	26-Apr-21	14-May-21																								
DIVEP14	Fill Pool @ Dive Pool	7	7	17-May-21	25-May-21																								
Dive Tower																													
DIVET1	FRP Dive Tower Foundations	10	10	10-Sep-20	23-Sep-20																								
TIA03-51	Increased Duration for Dive Tower Pile Cap	10	10	24-Sep-20	07-Oct-20																								
DIVET2	Erect Dive Tower Structure	20	20	30-Dec-20	27-Jan-21																								
TIA03-24	Increased Duration for Dive Platform Erection 10 - 27 Meters	15	15	28-Jan-21	17-Feb-21																								
DIVET3	Install Dive Tower Handrails	10	10	18-Feb-21	03-Mar-21																								
TIA03-27	Install Dive Tower GFRC Elements	15	15	18-Feb-21	10-Mar-21																								
TIA03-33	Dive Tower Finishes Lighting, Paint, Caulking	20	20	11-Mar-21	07-Apr-21																								
Dive Pool Deck																													
POOLDK21	Install Exfiltration Trenches - @ Dive Pool	10	10	11-Jan-21	22-Jan-21																								
POOLDK23	Install Deck Drains - @ Dive Pool	10	10	25-Jan-21	05-Feb-21																								
POOLDK18	CO Timing System Low Voltage Pathways @ Dive Pool	5	5	08-Feb-21	12-Feb-21																								
POOLDK25	CO Timing Systems 120V Power @ Dive Pool	5	5	08-Feb-21	12-Feb-21																								
POOLDK12	Install Deck Embeds @ Dive Pool	5	5	15-Feb-21	19-Feb-21																								
POOLDK5	FRP Pool Deck @ Diving Pool	10	10	22-Feb-21	05-Mar-21																								
POOLDK15	Install Deck Embeds @ Spa	5	5	22-Feb-21	26-Feb-21																								
POOLDK31	Install Competition Equipment @ Dive Pool	10	10	01-Mar-21	12-Mar-21																								
POOLDK32	Install Pool Safety Equipment and Accessories @ Dive Pool	5	5	15-Mar-21	19-Mar-21																								
Spa																													
SPA1	Install Floor Utilites @ Spa	5	5	08-Apr-21	14-Apr-21																								
SPA2	FRP Floor @ Spa	5	5	08-Apr-21	14-Apr-21																								
SPA3	Install Wall Utilities @ Spa	5	5	15-Apr-21	21-Apr-21																								
SPA4	FRP Walls @ Spa	5	5	22-Apr-21	28-Apr-21																								
SPA5	Tile @ Spa	5	5	29-Apr-21	05-May-21																								
SPA6	Diamond Brite @ Spa	5	5	10-May-21	14-May-21																								
SPA7	Fill Pool @ Spa	3	3	17-May-21	19-May-21																								
Teaching Pool																													
TEACHP25	Excavate @ Teach Pool	10	10	09-Jun-20	22-Jun-20																								
TEACHP1	Install Floor Utilites @ Teach Pool	5	5	26-Jun-20	02-Jul-20																								
TEACHP2	FRP Floor @ Teach Pool	7	7	06-Jul-20	14-Jul-20																								
TEACHP3	Install Wall Utilities @ Teach Pool	5	5	06-Jul-20	10-Jul-20																								
TEACHP4	Reinforce & Gunitite Walls @ Teach Pool	7	7	06-Jul-20	14-Jul-20																								

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining W...

Milestone

Balance to Complete All

CITY OF FORT LAUDERDALE

HENSEL PHELPS

Plan. Build. Manage.

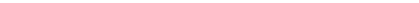

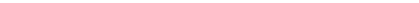
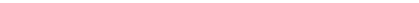





Aquatic Center - Schedule Update April 2020

TIA-03 is added time associated with GMP Added CE #023.2 - 27M Dive Tower

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	2020												2021											
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
TEACHP6	Strip Form Work @ Teach Pool	7	7	15-Jul-20	23-Jul-20				■	■	■	■	■																
TEACHP9	Install Utilities & VacPac @ Teach Pool	15	15	24-Jul-20	13-Aug-20				■	■	■	■	■																
TEACHP11	Backfill Around Pool Exterior @ Teach Pool	5	5	14-Aug-20	20-Aug-20				■	■	■	■	■																
TEACHP27	Set Vac Pac's In Equipment Area @ Teach Pool	10	10	14-Aug-20	27-Aug-20				■	■	■	■	■																
TEACHP13	Install Tile Water Line & Steps @ Teach Pool	15	15	21-Aug-20	11-Sep-20				■	■	■	■	■																
TEACHP17	Install Shade Structure @ Teach Pool	14	14	14-Sep-20	01-Oct-20					■	■	■	■																
TEACHP19	Install Pool Accessories @ Teach Pool	14	14	02-Oct-20	21-Oct-20						■	■	■																
TEACHP21	Diamond Brite @ Teach Pool	10	10	14-Oct-20	27-Oct-20							■	■																
TEACHP22	Fill Pool @ Teach Pool	5	5	28-Oct-20	06-Nov-20							■	■																
Teaching Pool Bathroom																													
TEACHP5	FRP Bathroom Grade Beams @ Teach Bathroom	5	5	27-Apr-20	01-May-20	■																							
TEACHP29	FRP SOG @ Teach Bathroom	5	5	04-May-20	08-May-20	■																							
TEACHP7	CMU Walls @ Teach Bathroom	10	10	13-May-20	27-May-20	■																							
TEACHP8	In Wall Electrical & Fire Alarm @ Teach Bathroom	5	5	20-May-20	27-May-20	■																							
TEACHP23	In Wall Plumbing @ Teach Bathroom	5	5	20-May-20	27-May-20	■																							
TEACHP10	FRP Roof @ Teach Bathroom	8	8	28-May-20	08-Jun-20	■																							
TEACHP30	Install CMU Parapet Walls Roof Deck @ Teach Bathroom	5	5	09-Jun-20	15-Jun-20	■																							
TEACHP12	Install Roofing @ Teach Bathroom	7	7	16-Jun-20	24-Jun-20	■																							
TEACHP14	Install Toilet Exhaust @ Teach Bathroom	5	5	25-Jun-20	01-Jul-20	■																							
TEACHP31	Stucco Exterior @ Teach Bathroom	10	10	02-Jul-20	16-Jul-20	■																							
TEACHP15	Paint @ Teach Bathroom	5	5	17-Jul-20	23-Jul-20	■																							
TEACHP24	Install Elect F fixtures & Fire Alarm @ Teach Bathroom	5	5	24-Jul-20	30-Jul-20	■																							
TEACHP18	Install Door & Hardware @ Teach Bathroom	5	5	31-Jul-20	06-Aug-20	■																							
TEACHP32	Install Epoxy Floor @ Teach Bathroom	5	5	07-Aug-20	13-Aug-20	■																							
TEACHP16	Install Plumbing F fixtures @ Teach Bathroom	5	5	14-Aug-20	20-Aug-20	■																							
TEACHP28	Install Toilet Accessories @ Teach Bathroom	5	5	14-Aug-20	20-Aug-20	■																							
Teaching Pool Deck																													
POOLDK16	Install Exfiltration Trenches - @ Teaching Pool	5	5	21-Aug-20	27-Aug-20				■	■	■	■	■																
POOLDK26	Install Deck Drains - @ Teaching Pool	10	10	28-Aug-20	11-Sep-20				■	■	■	■	■																
POOLDK14	Install Deck Embeds @ Teaching Pool	5	5	14-Sep-20	18-Sep-20				■	■	■	■	■																
TEACHP20	FRP Pool Deck & Sidewalks @ Teach Pool	8	8	02-Oct-20	13-Oct-20						■	■	■																
POOLDK34	Install Pool Safety Equipment and Accessories @ Teaching Pool	5	5	22-Mar-21	26-Mar-21																						■		
Buildings																													
Grandstand																													
GRAND1	Prep Building Pad @ Grandstand Building	10	10	14-May-20	28-May-20	■																							
GRAND2	FRP Foundations , Grade Beams & Knee Walls @ Grandstand Building	20	20	10-Sep-20	07-Oct-20					■	■	■	■																
GRAND3	Install Water Proofing In Pits @ Grandstand Building	15	15	10-Sep-20	30-Sep-20					■	■	■	■																
GRAND5	Install UG Pool Utilities Through Pit Walls @ Grandstand Building	10	10	24-Sep-20	07-Oct-20						■	■	■																
GRAND19	Install UG Utilites - Electrical @ Grandstand Building	15	15	24-Sep-20	14-Oct-20						■	■	■																
GRAND20	Install UG Utilites - Plumbing @ Grandstand Building	15	15	24-Sep-20	14-Oct-20						■	■	■																
GRAND21	Install UG Utilites - Geo Thermal @ Grandstand Building	5	5	08-Oct-20	14-Oct-20						■	■	■																
GRAND6	FRP SOG @ Grandstand Building	15	15	15-Oct-20	09-Nov-20						■	■	■																
GRAND7	Install CMU Walls @ Grandstand Building	30	30	10-Nov-20	23-Dec-20							■	■																
GRAND9	Install In Wall Plumbing Rough In @ Grandstand Building	20	20	20-Nov-20	21-Dec-20							■	■																
GRAND22	Install In Wall Electrical & Fire Alarm Rough In @ Grandstand Building	20	20	20-Nov-20	21-Dec-20							■	■																
GRAND18	Pool Equipment Early Euipment Install @ Grandstand Building	5	5	17-Dec-20	23-Dec-20							■	■																




**HENSEL PHELPS**  
 Plan. Build. Manage.

 Remaining Level of Effort  Actual Level of Effort  Actual Work	 Remaining Work  Critical Remaining W...   Milestone	<p align="center"><b>Balance to Complete All</b></p> <p align="center"><b>Aquatic Center - Schedule Update April 2020</b></p>	 CITY OF FORT LAUDERDALE	 <b>HENSEL PHELPS</b> Plan. Build. Manage.
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## Change Order Request

**Ft Lauderdale Aquatic Center Renovation**  
501 Seabreeze Blvd, Ft. Lauderdale, FL 33316

**Project # 19-021**

**The Redland Company**

**Change Order Request: 011**

**Date:**

**To:** Greg Jennings  
Hensel Phelps Construction Company  
6280 Hazeltine National Drive  
Orlando, FL

**From:** Alex Ramirez  
The Redland Company  
48 NE 15th Street  
Homestead, FL 33030

**Description** North Building B and 27M Tower Plan Change (Rev 7)

**Qty: 1.00 @ \$53,577.82 Unit Price**

**Total Lump Sum: \$53,577.82**

**Scope:**

**NOTES:**

1. No additional permit or submittal items are included.
2. No work shall proceed until this RFCO is approved in writing.
3. Payment is to be by Lump Sum (percent complete) and shall be placed as a billable change order on the current billing documents.
4. A contract time extension in the amount of 0 days is required for this work to be performed once a signed change order is received.
5. This RFCO is only valid if the work included herein is completed simultaneously with the corresponding similar work throughout the remainder of the project and prior to construction of subsequent activities.
6. This RFCO does not include any related delays to other activities as a result of this added/unforeseen work.
7. All work is based on normal working days and hours (M-F, 7am-3:30pm) and does not include any overtime, night work, weekend, or holiday work.
8. All previous contract provisions shall remain in full effect except as specifically modified herein.
9. Does not include industry related price increases (metals, plastic, PVC, concrete, trucking, fill, aggregates, petroleum)

**APPROVED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**APPROVED IN THE AMOUNT OF:** \_\_\_\_\_

**CHANGE ORDER NO.** \_\_\_\_\_ **TO BE ISSUED BY:** ☐ (OWNER) ☐ (CONTRACTOR)

CC: TRC distribution

**The Redland Company, INC.**

**Main, Office, & Mailing:** 48 NE 15 Street, Homestead, FL 33030 T:305.247.3226, F:305.247.1756

[www.redlandcompany.com](http://www.redlandcompany.com)

Miami-Dade License E952001: Broward #82-764-X: Monroe #ENG 1191A: FL CUC 1224924

Detailed change order request grouped by each number.

**Prolog Manager**

Printed on: 3/13/2020

RedlandCompany

**CAM #20-0487**  
**Exhibit 3**  
**Page 30 of 73**

**FLAC Plan Revisions**

## Quantities

## Unit Cost &amp; Breakout

## Total

**Drainage**

Solid Drainage Pipe at Pool Deck (12")	-15 lf		\$88.74	-\$1,331.10
Labor/Equipment	0.1 hrs	\$510.00 crew/hr	\$70.42	
Materials	1 ea		\$13.17	
Bedding	1 ea		\$5.15	
French Drain Pool Deck (12")	21 lf		\$120.71	\$2,534.99
Labor/Equipment	0.2 hrs	\$510.00 crew/hr	\$78.26	
Materials	1 lf		\$15.94	
Bedding	1 lf		\$26.51	
RWL Solid Pipe	32 lf		\$57.76	\$1,848.32
Labor/Equipment	0.1 hrs	\$510.00 crew/hr	\$45.16	
Materials	1 lf		\$8.10	
Bedding	1 lf		\$4.50	
RWL Clean Outs	1 ea		\$1,602.69	\$1,602.69
Labor/Equipment	2.0 hrs	\$510.00 crew/hr	\$1,008.73	
Materials	1 ls		\$588.60	
Bedding	1 ls		\$5.36	
				<b>\$4,654.90</b>

**Water**

PVC Pipe (10")	20 lf		\$172.92	\$3,458.40
Labor/Equipment	0.3 hrs	\$510.00 crew/hr	\$150.18	
Materials	1 ls		\$19.23	
Bedding	1 ls		\$3.51	
PVC Pipe (4")	32 lf		\$80.32	\$2,570.28
Labor/Equipment	0.1 hrs	\$510.00 crew/hr	\$63.09	
Materials	1 ls		\$13.72	
Bedding	1 ls		\$3.51	
PVC Pipe (3")	75 lf		\$20.70	\$1,552.50
Labor/Equipment	0.03 hrs	\$510.00 crew/hr	\$13.70	
Materials	1 ea		\$4.75	
Bedding	1 ls		\$2.25	
Demo Existing Water	1 ls		\$3,810.00	\$3,810.00
Labor/Equipment	6.00 hrs	\$510.00 crew/hr	\$3,060.00	
Misc Materials	1 ea		\$250.00	
Haul Off	2 ea		\$500.00	
	1 ea		\$2,525.81	\$2,525.81
Labor/Equipment	1.49 hrs	\$510.00 crew/hr	\$760.31	
Materials	1 ea		\$1,765.50	
12 Tap to Existing	1 ea		\$14,199.27	\$14,199.27
Labor/Equipment	11.5 hrs	\$510.00 crew/hr	\$5,872.98	
Materials	1 ea		\$7,476.29	
Bedding	1 ea		\$850.00	

## FLAC Plan Revisions

	Quantities	Unit Cost & Breakout	Total
8" to 10" Reducer	1 ea	\$1,200.00	\$1,200.00
Labor/Equipment	0.7 hrs	\$510.00 crew/hr	\$343.25
Materials	1 ea	\$856.75	
			<b>\$22,980.45</b>

### Sewer

Add Sewer Laterals	32 lf	\$55.40	\$1,772.80
Labor/Equipment	0.1 hrs	\$510.00 crew/hr	\$41.80
Materials	1 ea	\$8.60	
Bedding	1 ea	\$5.00	
Add Clean Outs for Sewer Laterals	1 ea	\$1,622.69	\$1,622.69
Labor/Equipment	2.0 hrs	\$510.00 crew/hr	\$1,008.73
Materials	1 ea	\$608.60	
Bedding	1 ea	\$5.36	
			<b>\$3,395.49</b>

### Asphalt Restoration

MOT	1 LS	\$1,500.00	<del>-\$500.00</del> <b>\$1,500</b>
Subbase	56 sy	\$19.68	\$1,101.93
Labor/Equipment	0.03 hrs	\$445.00 crew/hr	\$11.18
Materials	1 ls	\$8.50	
Limerock	56 sy	\$27.13	\$1,519.22
Labor/Equipment	0.04 hrs	\$445.00 crew/hr	\$18.63
Materials	1 sy	\$8.50	
Asphalt	81 sy	\$162.00	\$13,122.00
Paving Subcontractor		\$162.00	
Markings	1 ls	\$970.00	\$970.00
Striping Subcontractor		\$970.00	

3rd Tier  
Sub

3rd Tier  
Sub

### Sidewalk

Grading	117 sf	\$13.20	\$1,544.76
Labor/Equipment	0.01 hrs	\$445.00 crew/hr	\$4.70
Materials	1 sf	\$8.50	
Sidewalk	117 sf	\$4.50	\$526.50
Concrete Subcontractor		\$4.50	

3rd Tier  
Sub

	<b>27m</b>	<b>BLDG B</b>	<b>Subtotal</b>		<del>-\$19,284.41</del> <b>20,284.41</b>
Drainage	\$ 1,203.89	\$ 3,451.01	\$ 4,654.90		
Sewer	\$ -	\$ 3,395.49	\$ 3,395.49		
Water	\$11,490.23	\$11,490.23	\$ 22,980.45	prime subtotal:	<del>-\$35,196.75</del> <b>36,696.75</b>
Asphalt Restoration (Prime)	\$ 2,832.96	\$ 2,832.96	\$ 5,665.91	subcontractor subtotal:	<del>\$13,648.50</del> <b>14,618.50</b>
Asphalt Restoration (3rd Tier)	\$ 7,309.25	\$ 7,309.25	\$ 14,618.50	prime Markup (10%):	<del>-\$3,519.67</del> \$ 3,669.68
<b>Subtotal</b>	<b>\$22,836.32</b>	<b>\$28,478.93</b>	<b>\$ 51,315.25</b>	subcontractor markup (5%):	<del>-\$682.43</del> \$ 730.93
Subtotal prime	\$15,527.07	\$21,169.68	\$ 36,696.75	bond (1%):	<del>-\$530.47</del> \$ 1,070.31
Subtotal subcontractor	\$ 7,309.25	\$ 7,309.25	\$ 14,618.50	<b>Total:</b>	<b>\$53,577.82</b> <b>\$ 56,786.16</b>
<b>Subtotal</b>	<b>\$22,836.32</b>	<b>\$28,478.93</b>	<b>\$ 51,315.25</b>		

### Notes:

- No D Curb included in Hall of Fame Dr. Additional D Curb per unit rate.
- Estimate only represents items on this breakout sheet.
- Offsite Paving only includes one bikelane and one vehicle travel lane. Additional lanes of shaded area will be an extra.
- Revision 7 Dated 1/31/2020
- Redland is not responsible for any requirements (longshoremen fees, wages, ext.) that may arise from working off site and/or in the water.

	<b>27m</b>	<b>BLDG B</b>	<b>Subtotal</b>
Subtotal prime	\$15,527.07	\$21,169.68	\$ 36,696.75
Subtotal subcontractor	\$ 7,309.25	\$ 7,309.25	\$ 14,618.50
<b>Subtotal</b>	<b>\$22,836.32</b>	<b>\$28,478.93</b>	<b>\$ 51,315.25</b>
Markup Prime	\$ 1,552.71	\$ 2,116.97	\$ 3,669.68
Markup Subcontractor	\$ 365.46	\$ 365.46	\$ 730.93
Bond	\$ 475.91	\$ 594.40	\$ 1,070.31
<b>Subtotal</b>	<b>\$25,230.40</b>	<b>\$31,555.76</b>	<b>\$ 56,786.16</b>

CAM #20-0487

Exhibit 3

Page 32 of 73



March 27, 2020

Hensel Phelps  
100 NE 3rd Ave, Suite 440  
Fort Lauderdale, Florida 33301

Attention: Mr. Bryce Peterson  
Subject: Fort Lauderdale Aquatics Center  
Fort Lauderdale, FL 33304  
RCO#3: Additional Pile Length (27M Dive Tower)

Mr. Peterson,

Our agreement for the above-referenced project after RCO#2 included (16) 18-in piles to -46-FT NAVD and (16) 18-in piles to -57-FT NAVD from a working grade of +8' NAVD for the 27M Dive Tower. HJ began pile production on Thursday, March 19<sup>th</sup>, and was directed not to install any of the piles supporting the 27M Dive Tower, which had a minimum of (4) days of production to install because of drilling restrictions. Based on RFI 0025, all (32) 18-in piles in the 27M Dive Tower increased in length to -64' NAVD and the reinforcement was changed to add #10 extender bars to that tip elevation. Please see below cost impacts for these changes in our scope.

We have included a breakdown of the costs associated with the additional pile length below based on our contract unit rates (add rates have been used for all changes).

Pile Type and Depth from a Working Grade: +8' NAVD	New Pile Tip Elevation	Additional Linear Feet per pile	Quantity of Piles	Add Unit Rate (\$)	Total (\$)
18-in Auger cast Piles To -46-FT NAVD	-64-FT	18-FT	+16	\$53	\$15,264
18-in Auger cast Piles To -57-FT NAVD	-64-FT	7-FT	+16	\$53	\$5,936
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>+32</b>	<b>-</b>	<b>\$21,200.00</b>


*Standby Time for Unproductive Work to Adjust Fabricated cages and Install Piles out of Sequence*

(3) Hours of Standby Time at \$1,000/hr..... \$3,000.00

**Total..... \$24,200.00**

We request a change order in the amount of **\$24,200.00** and **(2) additional day** to the schedule for these changes in scope. Please feel free to contact us if we can be of any further assistance.

Regards,

  
Jonathan Maranga  
Assistant Project Manager

CC: Andres Encisio - Senior Project Manager

## **LANGAN ENGINEERING & ENVIRONMENTAL SERVICES**

15150 NW 79<sup>th</sup> Court  
Suite 200, Miami Lakes, FL 33016  
(786) 264-7200 FAX (786) 264-7201

### **CONTRACT CHANGE ORDER FOR ADDITIONAL SERVICES**

**DATE:** 8 April 2020

**CHANGE ORDER NO:** 5

**PROJECT TITLE:** FLAC

**ORDER BY:** Mr. Kevin Curry

**COMPANY:** Hensel Phelps (**HP - CLIENT**)

#### **STATEMENT OF WORK:**

This change order request is associated with the additional scope and fees associated with the following tasks:

#### **27m Dive Tower**

The scope of services for the following tasks includes:

- Task 1 - Tower Interior Elevations – We will establish through conventional surveying techniques elevations at each level throughout the interior of the dive tower. This task assumes that the entire interior of the dive tower will be easily accessible. A mark will be left at each level with an associated elevation.
- Task 2 - Tower Exterior Laser Scanning – We will laser scan the visible and accessible areas of the dive tower's facades. Façade scan information will include all visible and accessible wall surfaces visible to the scanner. Every attempt will be made to scan as much of the tower as possible, but since the laser scanner is a "line of sight" device, data will be limited in certain areas due to scanner visibility and access issues. We will attempt to minimize these areas by occupying as many scanner setup locations as required to provide a detailed scan of the tower. Upon completion of the field scan and registration process we will provide a 3D point cloud of the area scanned. The point cloud will be delivered in an .RCS format that will be compatible with various Autodesk software platforms. A "TruView" of the scans will also be included as a final deliverable. The "TruView" software is free and will allow the project team to view the site from the laser scanner's perspective, and you will be able to examine the site with a 360-degree view, including overhead. The software also allows you to zoom in on specific details, as well as perform basic rough measurements and markup sketches.
- Task 3 - As needed Surveying Services – This task covers efforts to provide a two person crew that will report to the Hensel Phelps on-site supervisor. This crew will complete tasks as directed by the onsite supervisor. The crew will be fully equipped as necessary to compete the tasks required. Langan will provide office support for each field crew – this effort includes daily setting up of survey files and processing collected data.
- Task 4 – Additional Tower Settlement Interaction – This task would cover additional interaction, if required, with our geotechnical engineering team associated with the anticipated settlement or movements of the 27 meter dive tower,

This change order excludes any surveying services associated with the teaching pool and any additional surveying services necessary for the surcharge in the area of the current dive platform/pool deck edge which may be in addition to the services above.

**COST:**

<b>TASK 1 - TOWER INTERIOR ELEVATIONS</b>	<b>\$3,960 – L.S.</b>
<b>TASK 2 - TOWER EXTERIOR LASER SCANNING</b>	<b>\$5,100 – L.S.</b>
<b>TASK 3 - AS NEEDED SURVEYING SERVICES</b>	<b>\$10,500 – Hourly</b>
<b>TASK 4 – ADDITIONAL GEOTECHNICAL INTERACTION (27 M DIVE TOWER)</b>	<b>\$2,000 – L.S.</b>

General Assumptions

**\$21,560**

- Langan staff will need to verify control provided and provide additional control as needed.
- General working hours are 7:00 am to 3:30 pm Monday through Friday. Times in excess of these or work on Saturday or Sunday will be charged at 1.5 times the rate.
- Contractor is responsible to give 48 hours minimum notice for all field work.
- Contractor is responsible for the site being prepared for requested assignments. Delays incurred will be billed based on hourly rates.
- Survey fees herewith are based upon mobilization rates of a minimum full day's work per mobilization. Additional fees will be charged for requests for mobilization for less than one full day's work for survey crews.

**LANGAN** will proceed with the approved described additional services, based upon approval to proceed from **HP**. If notified to stop work on these services, the client agrees to pay Langan for all work completed up to the stop-work notification. All terms and conditions of the original agreement between **HP** and **LANGAN** remain in effect.



Agreement Authorized By: HP's Representative

for Langan: Matthew E. Meyer, P.E., D.GE

Attachment : Langan's Schedule of Fees

cc: Carlos Ortiz & Bryan Merritt / Langan

FL Certificate of Authorization No. 6601

C:\Users\bmerritt\Desktop\2020-04-08 Change Order No. 5.docx

# Draft Quote



Drone Nerds Inc.  
5553 Anglers Ave  
Suite 109  
Dania, FL 33312  
UNITED STATES  
P: 786-708-7807  
www.DroneNerds.com

Order #	O289242
PO #	N/A
Order Date	Apr 10, 2020
Customer	Hensel Phelps Construction Co.
Currency	USD

**Contact:**  
Bryce R. Peterson  
BPeterson@henselphelps.com  
other: 319.361.2676 (M)

**Bill To:**  
Hensel Phelps  
Bryce R. Peterson  
888 SE 3rd Avenue  
Suite 200, FL 33316  
United States

**Ship To:**  
Hensel Phelps  
Bryce R. Peterson  
888 SE 3rd Avenue  
Suite 200, FL 33316  
United States

Qty	Item / Description	Unit Price	Total
1	DJI Osmo Mobile 3 Combo SKU: CP.OS.00000040.01, UPC: 190021338777, Manufacturer: DJI	139.00	139.00
2	DroneNerds Service (Service: ) Inspire 2 Service SKU: Service, Manufacturer: DroneNerds	149.00	298.00
1	AeroPoint Ground Control Target (10-Pack)	7,956.00/0	7,956.00
4		<b>Subtotal</b>	8,393.00
		<b>Sales Tax</b>	0.00
		<b>Total</b>	<b>8,393.00</b>



## Precast Proposal

### DIV 3 Revised

DATE: 1/18/2018

PROPOSAL NO: KR-2018-020A

Proposed Agreement Submitted To:

Chuck Sauls  
HENSEL PHELPS CONSTRUCTION  
(407) 856-2400  
6557 Hazeltine National Dr. Suite 1  
Orlando, FL 32822  
[csauls@henselphelps.com](mailto:csauls@henselphelps.com)

Project Reference:

FORT LAUDERDALE AQUATICS  
FORT LAUDERDALE, FL

Rough Order of Magnitude (ROM) Budget

Leesburg Concrete Company, Incorporated hereby proposes to:

Engineer, fabricate, deliver and erect Aquatics Center Dive Platform Structure with 1m, 3m, 5m, 7.5m and 10m platforms.

- 1 ea - Shear Wall 32.5' x 11.5' x 8' thick
- 4 ea - Vertical columns 32.5' x 2' x 2'
- 4 ea - Vertical columns 9' x 2' x 2'
- 4 ea - Vertical columns 3' x 2' x 2'
- 8 ea - Horizontal Beams 22' x 1' x 1'
- 4 ea - Horizontal Beams 45' x 1' x 1'
- 5 each Dive platform Assemblies including 1&3 meter platform extensions
- 7 ea - Stairs
- 1 ea - Landing
- Heaviest Lift - 36,581 lbs

#### INCLUDES:

Standard grey 5,000 psi compressive strength concrete mix design  
Reinforcing per our engineered design to include, but not limited to, welded wire fabric, post tensioning and reinforcing bars.  
Connection and handling hardware placement per our engineered design. Footing connection hardware will be delivered to GC for installation by footing contractor per our engineered drawings.  
All corners to be chamfered  
Submittals and shop drawings for approval  
Engineering and calculations  
Freight by common carrier  
Erection on site  
Crane and operator

#### EXCLUDES:

Integrally colored concrete  
Payment and performance bond, if required, please add 1.5%  
Concrete additives, such as Xypex  
Multiple mobilizations  
Any item or it's installation not listed above

PROJECT SUBTOTAL	\$220,232.00
SALES TAX, IF APPLICABLE	\$13,264.00
PROJECT TOTAL	\$233,496.00

**LEESBURG CONCRETE COMPANY INCORPORATED IS A TOP 25 NPCA CERTIFIED PLANT.**

Terms: Progress billing to be invoiced as produced. No retainage.  
If exempt, tax exempt certificate to be provided by customer.

Payment is to be delivered to Leesburg Concrete, Inc. at 1335 Thomas Avenue, Leesburg, FL 34748

Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate.

All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance on above work. Workmen Compensation and Public Liability Insurance on above work to be taken out by Leesburg Concrete Company.

In the event this Proposal is accepted and the amount agreed to be paid is not timely received by Leesburg Concrete Company, Inc., then Leesburg Concrete Company, Inc. shall be entitled to reasonable attorney's fees, costs, and expenses to collect the amount owed. Unpaid balance shall accrue at the rate of 1.5% per month.

This proposal may be withdrawn if not accepted within 30 days

Respectfully Submitted

Signed

Kirk Rouse

#### ACCEPTANCE OF PROPOSAL

The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined.

Signature \_\_\_\_\_

Printed Name \_\_\_\_\_

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



**DESIGN ASSIST OR BID PROPOSAL**

**Project Location:** Fort Lauderdale, Florida

**Prepared For:** Hensel Phelps

**Attention:** Alex de Armas

**Date:** 03-27-2020

**OFFICE PHONE:** #N/A  
**CELL PHONE:** #N/A  
**EMAIL:** #N/A

**Bid based on** 034500 **spec section dated** \_\_\_\_\_ **(with certain exceptions as itemized herein)**

**Bid based on Addenda** through \_\_\_\_\_ **(with certain exceptions as itemized herein)**

**GMP SCOPE OF WORK**

	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
<b><u>ENGINEERING QUALIFICATIONS AND SCOPE OF WORK</u></b>				
1 Finalize miscellaneous connections for precast to precast and precast to structure	X			
2 Determining how loads are to be put into the existing structure		X		
3 Field measurement or survey of existing conditions		X		
4 Any testing or structural analysis of the poured in place structure in preparation for remedial work		X		
5 Any testing or inspections by independent agencies.		X		
6 Reinforcing or repair of the structure		X		
7 Grouting as required by precast engineer's design	X			
8 Total precast structure	X			
9 Blast design requirements		X		
10 Typical panel thickness			Varies by component. Main tower walls are 16" thick	
11 Additional panel joints added to facilitate manufacturing and handling	X			
12 Upon completion of the model, submit shop drawings for approval.	X			
13 From approved drawings, generate erection drawings for installation and shop ticket for production.	X			
14 BIM model	X			
15 Gate Precast Company only warrants the building models created by Gate related to the project for the Work which is fabricated and installed by Gate. The use of Gate's Building Information Model by Contractors, Owners, Architects, Engineers or other Trade Contractors is governed by Gate's Terms and Conditions listed on the Building Information Modeling Software Program and Gate assumes no responsibility or liability regarding use of said model beyond the aforementioned warranty.	X			
16 After erection is complete, as-built changes are updated and submitted on paper form.				Included?
17 Gate Precast responsibility for review and approval of our submittals by the architect, structural engineer or owner, and any permits, license, costs or delays associated with the delegation of design.		X		
<b><u>MIXES, FINISHES, MOCKUP QUALIFICATIONS AND SCOPE OF WORK</u></b>				
20 PCI MNL-117 recommended practice for all colors and finishes	X			
21 Normal weight concrete mixtures that meet 5,000 psi.	X			
22 Color: using limestone aggregates, dye, local sand, and white cement		X	base bid to be gray structural mix. Painted in field by others. Alterante ADD below for local regional materials and integral white color with sandblast finish.	
23 Precast mix used for LEED qualifications		X		
24 Smooth form finish (as cast)	X			
25 Back-up mix: Standard Gate grey . Grey backup will not be consistent in color.	X			
26 Float finish on rear face of precast				Included?
27 Steel trowel on rear face of precast	X			
28 fly ash		X		

**CAM #20-0487**

**Exhibit 3**

**Page 38 of 73**



DESIGN ASSIST OR BID PROPOSAL

Project Location: Fort Lauderdale, Florida

Prepared For: Hensel Phelps

Attention: Alex de Armas

Date: 03-27-2020

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EMIAL: #N/A

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GMP SCOPE OF WORK

	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
29 metakaolin admixtures		X		
30 silica fume admixtures		X		
31 ground granulated blast furnace lag		X		
32 Form liner		X		
33 Mockup		X	a standard 4'x4' wall panel is included	Mock up of GFRC?
34 Sealing and waterproofing		X		
35 Corrosion Inhibiting Admixture		X		
36 Cleaning of precast panels prior to CO		X		
37 Long lead items (brick, insulation, stone, etc.)		X		
38 Master Life 300D Waterproofing Mix		X	See ADD Alternate below. This ADD is only for wall panels.	
39				
40 <b><u>REINFORCING AND CONNECTION MATERIAL QUALIFICATIONS AND SCOPE OF WORK</u></b>				
41 All connections tolerances per PCI	X			
42 Embeds cast into precast panels, loose clips for connection of panels to the structure, and supplying poured-in-place embeds FOB Job Site	X			
43 Gate Precast will furnish all embeds required for our scope of work to the concrete subcontractor for installation per the mutually agreed upon schedule. Gate Precast will include all embed layout drawings indicating locations of embeds and provide close coordination through CM or GC. Furnish foundation anchorage devices (i.e. Anchor, bolts, embedded plates) as required.	X		as required for foundation connections	
44 Grout and grout materials only required by Gate engineered design.	X			
45 Bracing of precast panels	X			
46 Bracing plan means and methods by qualified PCI certified erector	X			
47 Bracing plan Signed & Sealed by engineer		X		This needs to be included, why excluded?
48 Hot dipped galvanized connections	X			
49 Stainless Steel connections		X	GATE PRECAST IS NOT A METALLURGIST AND WE DO NOT HAVE THE ABILITY TO SELECT STAINLESS STEEL. STAINLESS STEEL SHOULD BE SELECTED BY A SPECIALTY ENGINEER OR METALLURGIST THAT IS QUALIFIED TO MAKE THAT CHOICE. ALL SELECTION OF STAINLESS IS BY OTHERS THAN GATE. GATE ASSUMES NO RESPONSIBILITY OR LIABILITY IN THE SELECTION OF STAINLESS STEEL CONNECTIONS.	
50 grouting recessed connection pockets	X			
51 reinforcing material to be uncoated	X			
52 Electrical boxes and conduits		X	REFER TO COST BELOW IF REQUIRED	

CAM #20-0487

Exhibit 3

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**DESIGN ASSIST OR BID PROPOSAL**

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**GMP SCOPE OF WORK**

	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
53 condensation gutters		X	REFER TO COST BELOW IF REQUIRED	
54 flashing		X		
55				
56 <b><u>PRODUCTION QUALIFICATIONS AND SCOPE OF WORK</u></b>	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
57 PCI certified precast producer for group A1, C2, and C3A - precast products.	X			
58 PCI, MNL-117 standards for fabrication.	X			
59 Normal weight concrete mixture that meet 5,000 psi	X			
60 payment and coordination of testing and inspections by independent agencies.		X		Clarify testing and inspections
61 PCI QC program that can be reviewed at the plant if needed	X			
62 Handrials, lighting, or any inserts, embeds etc for other materials		X		Install if layout provided and material provi
			as long as coordinated and shown on Gate's approved shop drawings. Not to delay precast production	
63 Labor and coordination for placement of any block outs, holes and or penetrations in or through precast for other trades	X			
64 Labor to place block outs that will be cast into panels and located on our approved shop drawings	X			
65 8" x 8" minimum size block outs	X			
66 Cutting of additional block outs not approved or coordinated through Gate engineer		X		
67				
68 <b><u>HAULING/COORDINATING JOB SITE DELIVERIES QUALIFICATIONS AND SCOPE OF WORK</u></b>	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
69 traffic control		X		Required for deliveries
70 flagmen will be a member of the erection crew once trucks have entered project site.	X			
71 barricades		X		Safety - Control access
72 Guiding trailers using a member from the erection crew once on-site	X			
73 Precast panels will be delivered in a clean condition. Any soil due to hauling will be the responsibility of Gate Precast.	X			
			This is specifically for the inserts that may be on the interior side of our wall panels.	
74 Patching of lifting inserts not exposed to view	X			
75 Additional job site cleaning of precast panels		X		Turnover in acceptable condition
76 Protection and control of pedestrian and vehicular traffic where required		X		
77 Convenient and adequate all weather access into and through the jobsite for safe delivery of equipment and materials on trucks operating under their own power shall be provided by CM	X		By CM	
			BY CM. Gate has no cost for offsite staging lot	Clarify size and location of laydown. May not fit onsite. City may have area a couple blocks away.
78 Suitable drop space for (8) trailers on site provided by CM	X			
79 Off site storage		X		
	X			Gate to provide requirements. If not already in place, Gate needs to provide.
80 Exclusive use of the MOT areas (public road or on site), to be supplied by CM	X			
81 Coordination of deliveries in and out of project site with outside agencies will be the responsibility of the CM.				
82 Oversized loads		X		
83 Site specific route for delivery (provided by owner or CM)				

CAM #20-0487

Exhibit 3

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# DESIGN ASSIST OR BID PROPOSAL

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Date: 03-27-2020

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Bid based on Addenda\_through\_(with certain exceptions as itemized herein)

## GMP SCOPE OF WORK

	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
84 Delivery schedule			<b>Fall 2020 delivery of material</b>	
85 Tire washing station provided by CM	X		Gate will perform tire wash as long as HP provides wash station.	
86 FOB job site				
87				
88 <b><u>INSTALLATION QUALIFICATIONS AND SCOPE OF WORK</u></b>				
89 Per PCI tolerances for installation	X			
90 PCI ERECTOR	X			
91 ¾" panel to panel joints	X			
92 number of erection crews	X		(1) crew	
93 cranes and operators	X		-1	
94 Adequate space to assemble and disassemble the crane during regular hours	X		<b>By CM. 50' by 250' minimum lay down area needed to assemble crane</b>	
95 100% of the chosen cranes full chart capacities with no anticipated reductions (i.e. 75% of chart)	X			
96 No limitations that would cause "critical picks"		X	Reductions or limitations may require an increase in the quotation price.	
97 One continuous and uninterrupted mobilization.	X			
98 <b>Crane height restriction</b>		X		
99 <b>Additional mobilizations</b>		X		
100 Daytime installation performed during regular working hours	X			
101 Additional overtime or weekend work		X		
102 erection and sequence of installation	X			
103 <b>Access road to be supplied and removed by CM or GC</b>	X		<b>By CM</b>	
104 <b>Shoring and/ or bracing of any above or underground structure</b>		X		
105 All obstructions such as power lines, telephone lines, cables, or pipes shall be removed from the site	X		BY CM	
106 Commencement of erection does not constitute acceptance of imperfections and irregularities of the structure by others	X			
107 Verification of control lines and benchmarks supplied by CM		X		
108 XY control lines on foundation (bearing surface of precast) and (4) XY control points 50' off structure control points			PROVIDED BY CM. Gate to perform all layout and alignment from these control points as we go vertical.	
109 <b>Temporary perimeter protection</b>		X	<b>By CM</b>	
<b>Fall protection system for use of other trades</b>		X		<b>Need to include system that can be used during construction and maintenance by the City</b>
110 visible layout lines on top and bottom of the floor slab and beams are acceptable if needed by the erection crew	X			
112 <b>Cutting, cleaning, repair and patching of embed pockets</b>		X		<b>Clarify exclusion</b>
113 <b>Cutting and repair of edge angles and decking</b>		X		



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**GMP SCOPE OF WORK**

	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
114 Removal of any materials that interferes with the erector's performance of making a proper connection (example- blockout material, edge angle, metal deck, headed studs, etc.)		X		
115 FAA permits		X		
116 Any additional permits for installation		X		
117 We intend to use E7018 welding rod or NR-212 wire electrode in lieu of grinding off galvanizing, if necessary, Additional cost will be required if grinding of galvanizing at connections is required.	X			
118 Clean and paint welds	X			
119 Standby electricity for generators		X		
120 Embed remedial work due to alignment issues with other subs		X		
121 The GC will coordinate project with Gate and Gate erector (including foundations, concrete structure and any structural steel) and the precast design such that: erection of this scope of work is continuous with no down time and the schedule and the means & methods are acceptable to Gate.	X			
122 Subcontractor will do a cursory review of embeds starting two weeks prior to erection and report any discovered deficiencies found with the embeds. Embeds not placed per Subcontractor's embed layout drawings shall be remedied by others. Subcontractor's commencement of Work, preceded by a reasonable inspection of supporting and/or contiguous work shall not constitute a waiver of Contractor's obligation to construct its work in accordance with tolerances and quality levels specified in the Contract Documents.	X			
123 Gate shall notify the contractor in writing of any discovered or known deficiencies in any other work prior to the commencement of the Work. Subcontractor's commencement of Work, preceded by a reasonable inspection of supporting and/or contiguous work shall not constitute a waiver of Contractor's obligation to construct its work in accordance with tolerances and quality levels specified in the Contract Documents.	X			
124 Based on coordination, clearance, permits, protection or other requirements or accommodations for utilities and right-of-way (including those suggested or required by OSHA or any other agency), either above or below ground, is the responsibility of general contractor. This includes crosswalks and traffic control structures. Compliance is the responsibility of the contractor.	X			
125 Field engineering	X		for the layout and install of precast only	
126 Field dimensioning, verification of structure dimensions or substrate conditions		X		Need to include. Tower dimension need to
127 Supervision will be from the Gate erection crew. Gate PM will attend meetings as needed for coordination.	X			
128 Survey of structure		X		Need to include. Tower dimension need to
129 Shuttle truck	X			
130 Full time safety representative		X		Full Time supervisor onsite who can address
131 Certified Payroll	X			
132 Exposing, cleaning or otherwise prepping foundations for erection work to proceed		X		
133 Excavation, compaction, dewatering, backfilling, fine grading, haul off, trench		X		
134 gas welding machine	X			
135 Site specific safety plan	X			
136 Demo or panel removal		X		
137 crane matting or pads		X		

CAM #20-0487

Exhibit 3

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**GMP SCOPE OF WORK**

	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
139 <b><u>ADDITIONAL QUALIFICATIONS AND SCOPE OF WORK</u></b>	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
The responsibility for meeting all OSHA requirements related to crystalline silica and/or dust standards throughout the project work site is the responsibility of the party and/or parties that have the care, custody and control of the site, but not the responsibility of this subcontractor. Silica and/or dust that is existing on site, windblown onto the site, generated by truck and equipment travel, generated by other parties on site, or any other site-related exposure is the responsibility of others. Only crystalline silica and/or dust generated by this subcontractor's performance of its work scope is the responsibility of this subcontractor, such as the cutting, sawing, drilling, grinding, attaching, patching, or altering the precast.	X			
140 <b>Caulking</b>		X		<b>Provide Alternate</b>
141 <b>Weep tubes</b>		X		
142 Patching duration will follow the same sequence as the precast erection and will begin approximately 2 to 3 weeks after the precast erection start date. This work must be performed prior to Glass/Curtainwall installation. Gate will work with the "CM" to establish a mutually agreeable schedule.	X			
143 <b>Allowances</b>		X		
144 <b>Commissioning of building</b>		X		<b>Need to include. Tower dimension need to</b>
145 <b>Precast warranty</b>	X		<b>ONE YEAR</b>	
146 <b>MBE/WBE participation</b>		X		
147 <b>Sign, pavers, bollards, site precast, castone</b>		X		
148 <b>Full time safety representative and administration</b>		X		
149 <b>Fire watch</b>		X		
150 <b>fire safing, fire safing materials, and fire safing patching</b>		X		
151 <b>final cleaning of precast after erection</b>		X		
152 <b>Shoring of structure</b>		X		<b>Include if required</b>
153 <b>Job site office and furniture</b>		X		
154 <b>Union wages</b>	X			
155 <b>Prevailing wages</b>		X		
156 <b>Davis Bacon wages</b>		X		
157 <b>Protection of precast after installation</b>		X		
158 <b>Protection or repair for any paving, landscaping or trees</b>		X		
159 <b>Composite clean up crew</b>		X		
160 <b>Badging</b>	X			
161 <b>Based on marked up PDF provided by Gate. The marked up drawings illustrate the scope price and qualifications in this proposal.</b>	X		<b>SEE MARKED UP DRAWINGS TAB</b>	
162 <b>Neither the contract language nor the insurance policies of Gate Precast Company can be modified to indemnify any parties for their own negligence.</b>	X			
163 <b>Gate Precast Company will not be required to indemnify any parties other than the Contractor and Owner.</b>	X			
164 <b>The EOR has taken into account the precast loads when calculating deflection of the structure. Gate Precast will be compensated for deflection beyond the specified loads that result in realignment or delays in the agreed upon schedule.</b>	X			
165				
166				



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GMP SCOPE OF WORK

	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
167 <b><u>TERMS OF PAYMENT</u></b>	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
168 Paid for material produced and stored off site.	X		Owner will pay Gate for stored materials	
169 Liquidated or consequential damages		X		Required by City.
170 Applicable state and local sales/use tax.	x			
If tax exempt, a separate contract for the labor to (Gate Precast Erection Company) and a purchase order for the material				
171 (Purchase order to Gate Precast Company from the tax exempt entity.)	x			
172 Proposal offered for a period of (x) days. After this period all prices and schedules are subject to review.	x		30 DAYS	
All bids, quotations, estimates, and contract prices are subject to increase, and all delivery and erection schedules are subject to extension, without notice, based upon price increases and raw material shortages or supply beyond the control of Gate.	x			
173 Retainage not to exceed 10% at any time. At 50% completion of the Contract, retainage shall not exceed 5% of the final Contract value.	x			
174 Gate Precast Company will not be required to relinquish its rights to collect from the contractor or the owner any sums due it for work performed in a manner satisfactory to the owner, including any statutory remedies it may have.	x			
175 Commingling of funds or right to offset funds between different projects.		x		
176 Mutually Agreeable Contract	x		Use previous executed agreement on past work as basis of negotiations	
177				
178 <b><u>INSURANCE AND BONDING INFORMATION</u></b>	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
179 All insurance coverages shall be for duration of the project plus 1-year warranty.	X			
180 Pollution liability insurance		X		
181 OCIP/CCIP insurance		X		
182 <b>General Liability Insurance:</b>				
183 Gate Precast carries a General Liability Policy with limits of \$1,000,000 Each Occurrence, \$1,000,000 Personal & Advertising Injury, \$2,000,000 General Aggregate, and \$2,000,000 Products - Completed Operations Aggregate. The General Aggregate limit applies on a "Per Project" basis. The Completed Operations Aggregate is provided for one years after substantial completion of the Project. We also carry an Umbrella Liability Policy with limits of \$5,000,000 Each Occurrence and \$5,000,000 Aggregate. Higher Umbrella limits may be obtained if required by the Contract Documents and will apply in excess of primary General Liability, Auto Liability and Employer's Liability limits. The Umbrellas do not provide excess limits over the Architects & Engineers Professional Liability coverage included in the General Liability Policy.	X			Reviewing internally
184 <b>Additional Insured:</b>				
185 ISO Additional Insured Endorsements CG20100413 and CG20370413 will be provided.	X			
186 <b>Architects and Engineers Professional Liability:</b>				
187 Architects & Engineers Professional Liability Endorsement has limits of \$2,000,000 Each Wrongful Act / \$2,000,000 Miscellaneous Professional Liability Aggregate.	X			Reviewing internally
188				
189 Certificate Holder and/or Additional Insureds shall not be afforded limits greater than those shown in this proposal.	X			

CAM #20-0487

Exhibit 3

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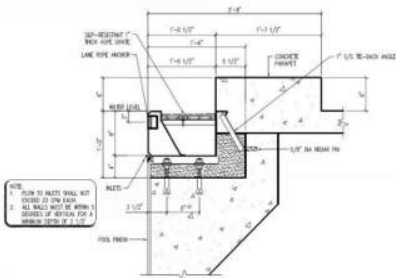
GMP SCOPE OF WORK

	INCLUDED	EXCLUDED	COMMENTS	CONTRACTOR REVIEWED
191				
192				
193	X			
194		X	ADD AT 1%	

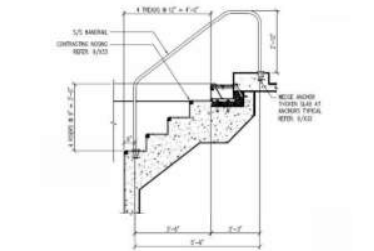
<b>BASE BID</b>	<b>\$3,057,920.00</b>
-----------------	-----------------------

Alternate pricing

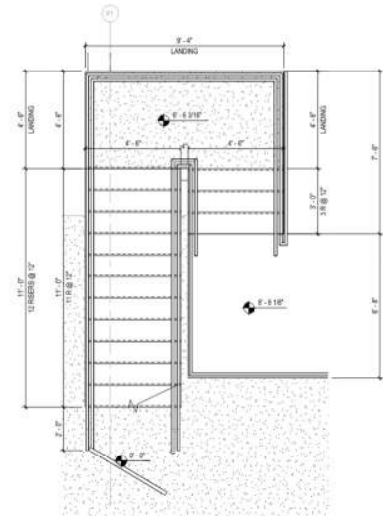
1	Masterlife 300D at 16" Precast Walls only	\$34,000.00
2	Interior precast walls between stairs	\$98,000.00
3	Integral Colored (white in color with sandblast finish using local and regional materials)	\$208,000.00
4	Composite Cleanup Crew	
5	Fulltime designated safety representatvie	
6	Fulltime designated fire watch	
7	Composite Cleanup Crew	



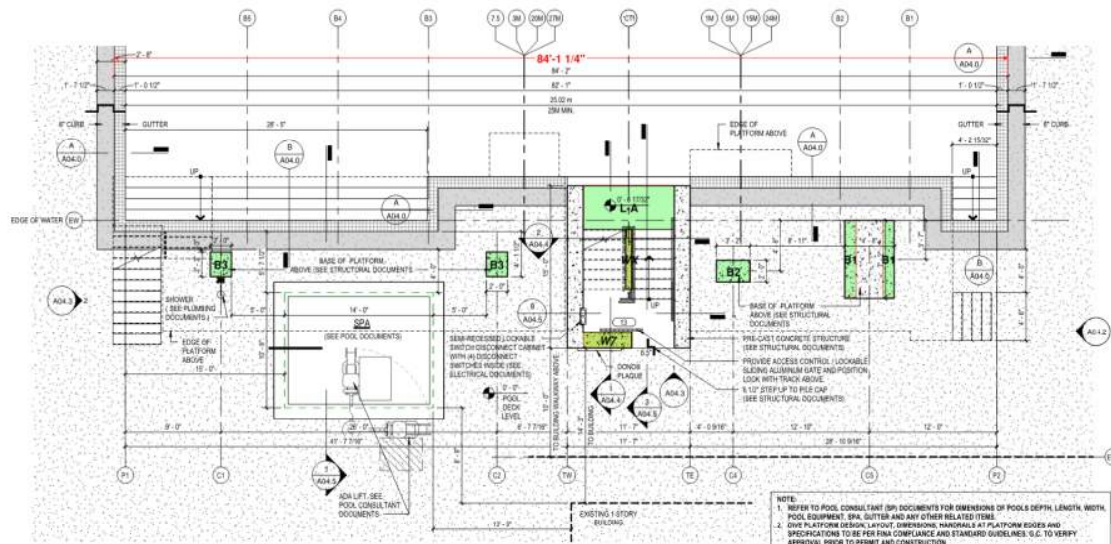
**A POOL GUTTER DETAIL**  
Scale: 1" = 1'-0"



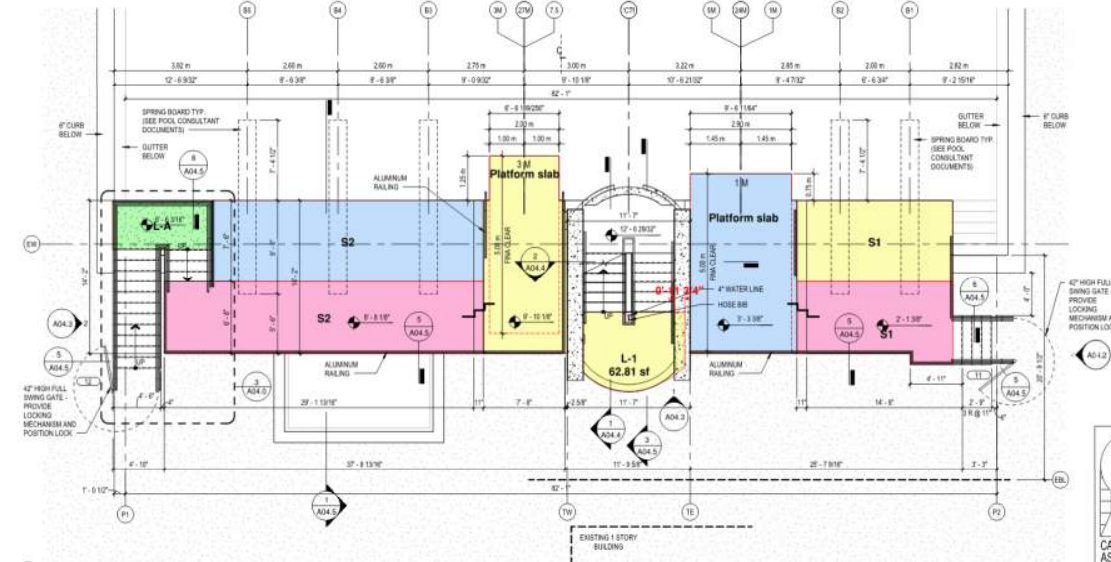
**B POOL STAIR DETAIL**  
Scale: 1" = 1'-0"



**3 STAIR 1 ENLARGEMENT**  
Scale: 3/8" = 1'-0"



**2 POOL DECK LEVEL**  
Scale: 3/8" = 1'-0"



**1 3M PLATFORM**  
Scale: 3/8" = 1'-0"



02/13/2020 - 100% SUBMISSION

PROJECT #: P11900  
FT. LAUDERDALE AQUATIC CENTER  
RENOVATIONS  
DIVING PLATFORM PLANS & SECTIONS  
501 SEABREEZE BLVD., FT. LAUD., FL 33316

**A04.0**

DRINKING FILE NO.  
4-141-82

DESIGNED BY  
CHECKED BY  
DATE 07-23-2019

SCALE  
DATE  
PROJECT NO.  
SHEET NO.

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE  
100 North Andrews Avenue, Fort Lauderdale, Florida 33304

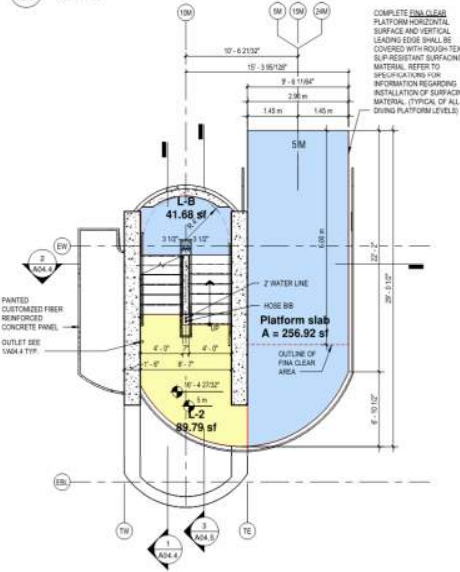
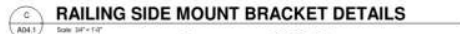
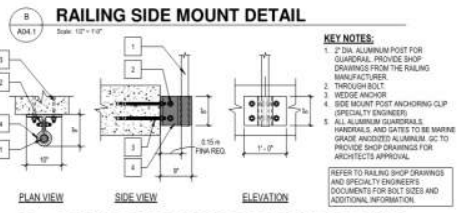
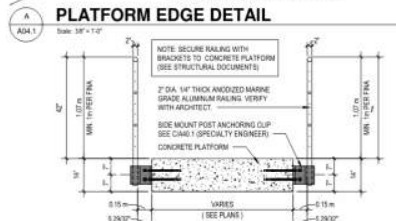
REVISIONS  
NO. DATE DESCRIPTION  
1 02/13/2020 REVISED PER CITY OF FORT LAUDERDALE

PROJECT # P11900  
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RENOVATIONS  
DIVING PLATFORM PLANS & SECTIONS  
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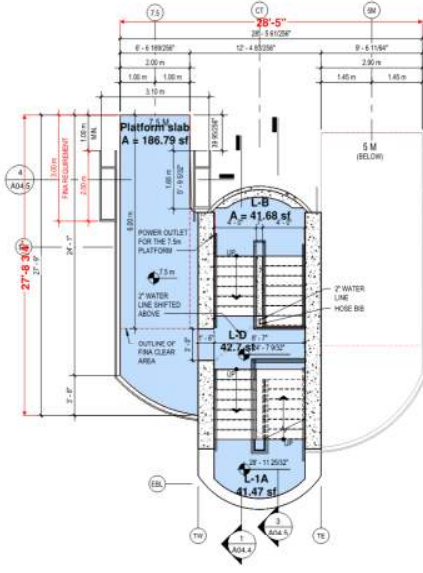
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DRINKING FILE NO.  
4-141-82

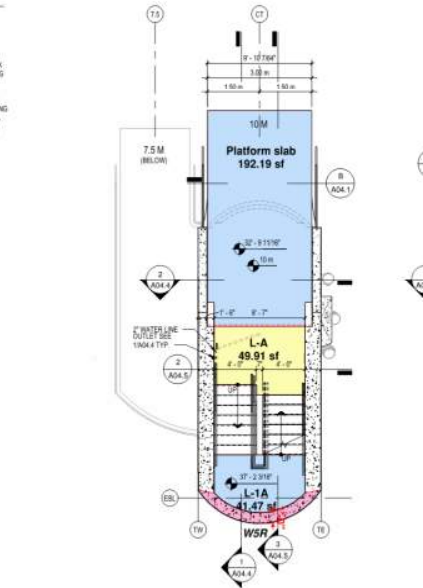




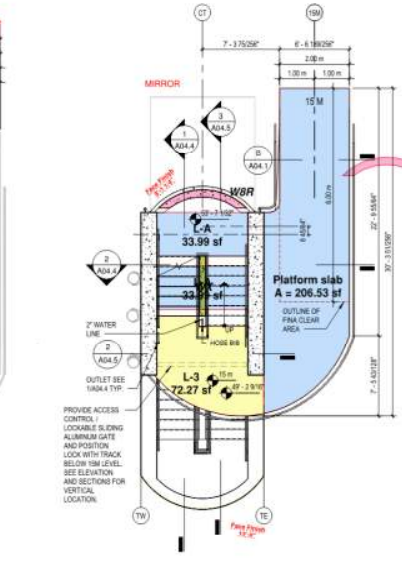
**5M PLATFORM**  
Scale: 3/8" = 1'-0"



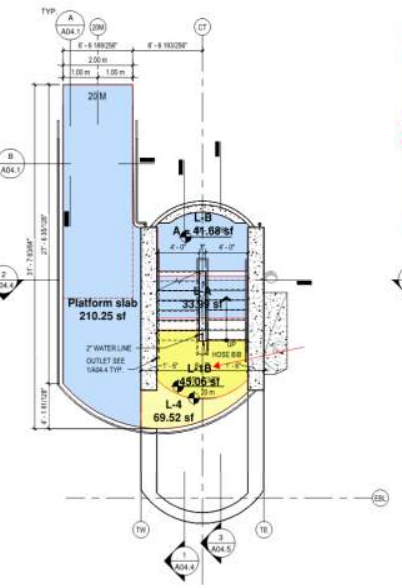
**7.5M PLATFORM**  
Scale: 3/8" = 1'-0"



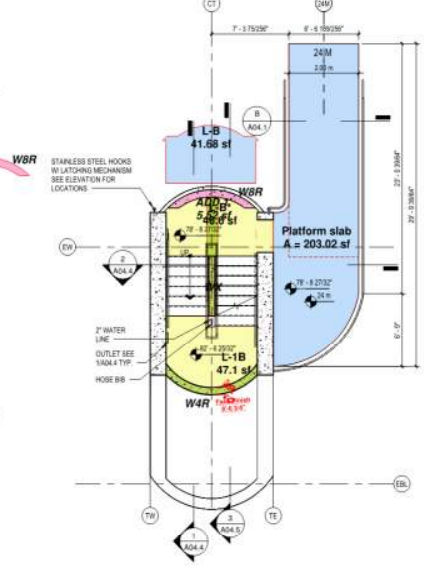
**10M PLATFORM**  
Scale: 3/8" = 1'-0"



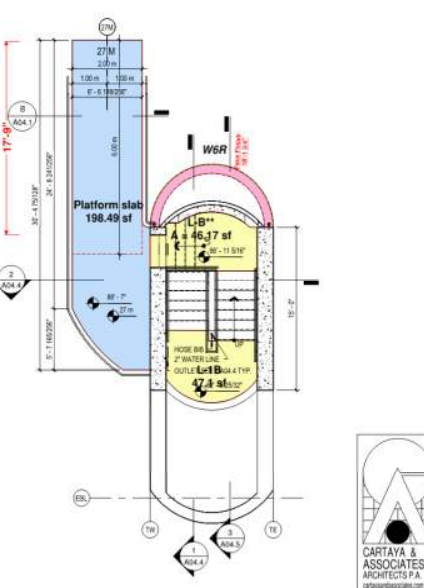
**15M PLATFORM**  
Scale: 3/8" = 1'-0"



**20M PLATFORM**  
Scale: 3/8" = 1'-0"



**24M PLATFORM**  
Scale: 3/8" = 1'-0"



**27M PLATFORM**  
Scale: 3/8" = 1'-0"



02/13/2020 - 100% SUBMISSION

**PROJECT # P11900**  
**FT. LAUDERDALE AQUATIC CENTER**  
**RENOVATIONS**  
**DIVING PLATFORM PLANS & SECTIONS**  
**501 SEABREEZE BLVD., FT. LAUD., FL 33316**

**A04.1**

DATE: 02/13/2020  
BY: J. CARTAYA  
CHECKED: J. CARTAYA  
APPROVED: J. CARTAYA

SCALE: 3/8" = 1'-0"

DATE: 02/13/2020  
BY: J. CARTAYA  
CHECKED: J. CARTAYA  
APPROVED: J. CARTAYA

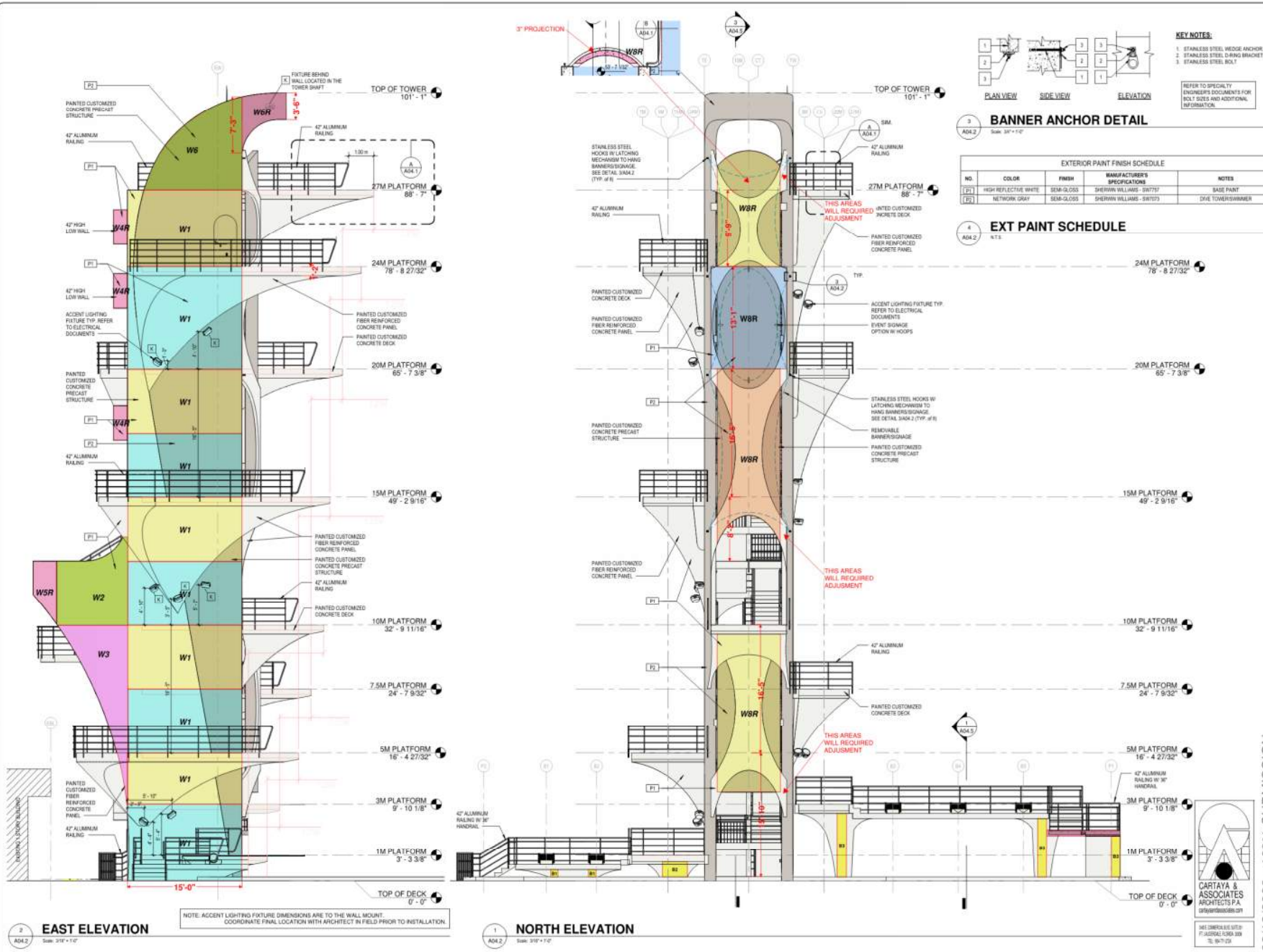
**CITY OF FORT LAUDERDALE**  
**PUBLIC WORKS DEPARTMENT**  
**ENGINEERING & ARCHITECTURE**

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DATE: 02/13/2020  
BY: J. CARTAYA  
CHECKED: J. CARTAYA  
APPROVED: J. CARTAYA

DATE: 02/13/2020  
BY: J. CARTAYA  
CHECKED: J. CARTAYA  
APPROVED: J. CARTAYA

C:\projects\LAUDERDALE\TOP TO BOTTOM.DWG



**CITY OF FORT LAUDERDALE**  
**PUBLIC WORKS DEPARTMENT**  
**ENGINEERING & ARCHITECTURE**  
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

**PROJECT #:** P11900  
**FT. LAUDERDALE AQUATIC CENTER**  
**RENOVATIONS**  
**DIVING PLATFORM PLANS & SECTIONS**  
501 SEABREEZE BLVD., FT. LAUD., FL 33316

**REVISIONS:**

NO.	DATE	BY	DESCRIPTION
1	02/13/2020	SM	ISSUED FOR PERMIT
2	02/13/2020	SM	ISSUED FOR PERMIT
3	02/13/2020	SM	ISSUED FOR PERMIT
4	02/13/2020	SM	ISSUED FOR PERMIT
5	02/13/2020	SM	ISSUED FOR PERMIT
6	02/13/2020	SM	ISSUED FOR PERMIT
7	02/13/2020	SM	ISSUED FOR PERMIT
8	02/13/2020	SM	ISSUED FOR PERMIT
9	02/13/2020	SM	ISSUED FOR PERMIT
10	02/13/2020	SM	ISSUED FOR PERMIT

**02/13/2020 - 100% SUBMISSION**

**CARTAYA & ASSOCIATES**  
ARCHITECTS P.A.  
401 S. W. 10th Ave., Suite 100  
Fort Lauderdale, FL 33301  
TEL: 954-571-0714

**A04.2**

**DATE:** 02/13/2020  
**FILE NO.:** 4140-07





**CITY OF FORT LAUDERDALE**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

**PROJECT #:** P11900  
**FT. LAUDERDALE AQUATIC CENTER RENOVATIONS**  
**DIVING PLATFORM PLANS & SECTIONS**  
**501 SEABREEZE BLVD., FT. LAUD., FL 33316**

**REVISIONS:**

NO.	DATE	BY	CHK	DESCRIPTION
1	8/13/2020	HC	CT	FOR REVIEW

**02/13/2020 - 100% SUBMISSION**

**PROJECT:** A04.3  
**DATE:** 02/13/2020  
**SCALE:** 3/8" = 1'-0"

**02/13/2020 - 100% SUBMISSION**

**PROJECT #:** P11900  
**FT. LAUDERDALE AQUATIC CENTER RENOVATIONS**  
**DIVING PLATFORM PLANS & SECTIONS**  
**501 SEABREEZE BLVD., FT. LAUD., FL 33316**

**02/13/2020 - 100% SUBMISSION**

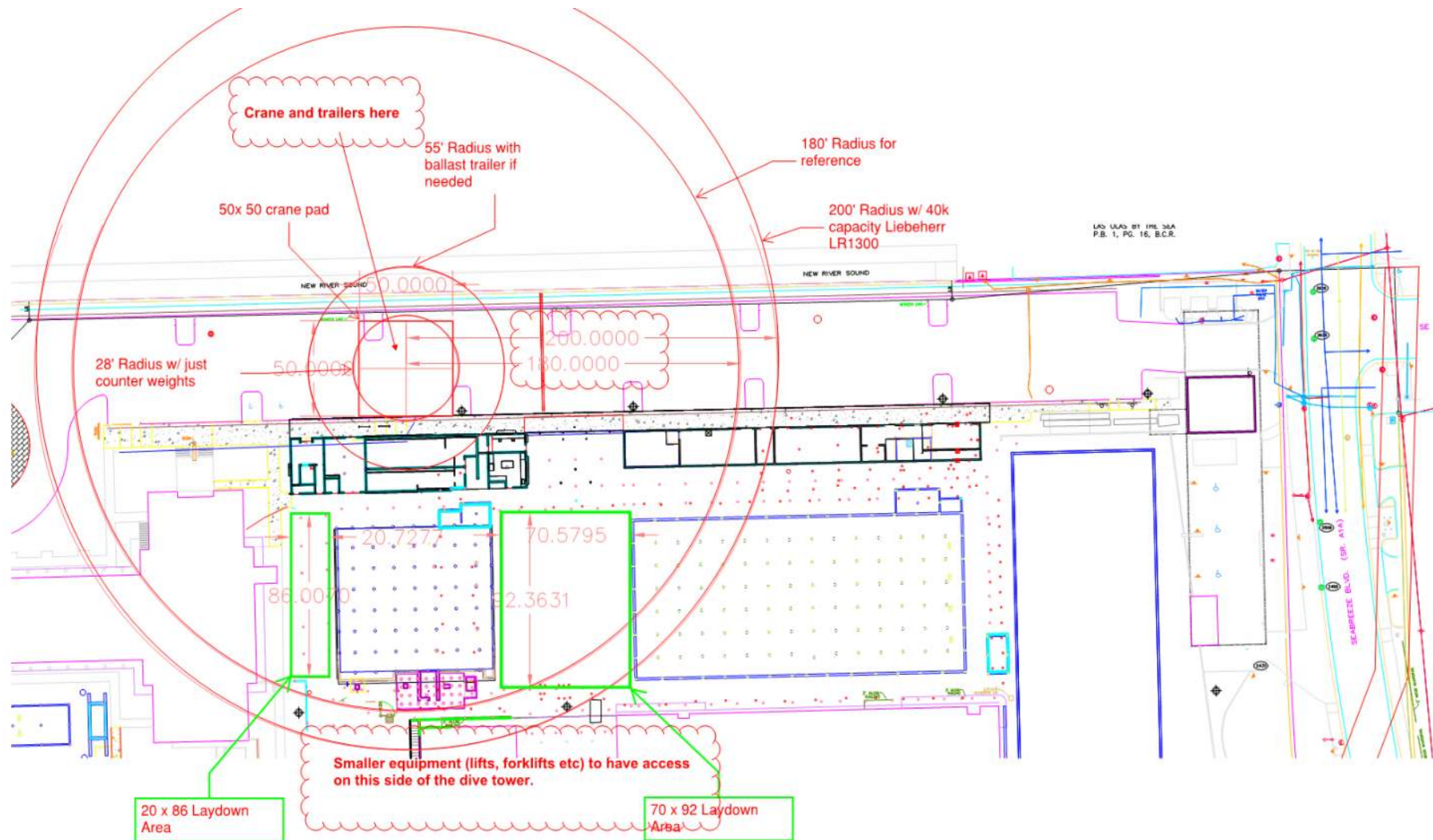
**REVISIONS:**

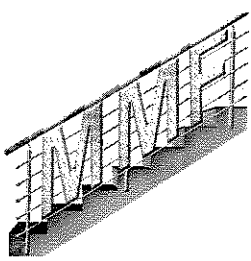
NO.	DATE	BY	CHK	DESCRIPTION
1	8/13/2020	HC	CT	FOR REVIEW

**02/13/2020 - 100% SUBMISSION**

**PROJECT:** A04.3  
**DATE:** 02/13/2020  
**SCALE:** 3/8" = 1'-0"

**02/13/2020 - 100% SUBMISSION**





Misc. Metal Fabrication, L.L.C.  
3001 – A S.W. 15<sup>th</sup> Street  
Deerfield Beach, FL. 33442  
754-264-1026  
754-264-1029 Fax.

**March 12, 2020**

To: **Hensel Phelps**  
Attn: Jose Ortiz  
Phone: 407-856-2400 x 2806  
Email: jortiz@henselphelps.com

Ref: CO-007-02-20  
Job: **Ft Lauderdale Aquatic Center Renovation**

Drawings: A01 thru A20, S-01 thru S-60 (Dated 02/13/2020)

## **CHANGE ORDER # 2**

### **FURNISH AND INSTALL:**

1. **(128' LF)** Approx. Aluminum Wall Rail. Anodized. **At Stairs #1 & #2, Bldg. B.** Ref: A01, A02, A03, 1/A10.1
2. Hoist Beam, Pit Ladder and Sum Pit Cover w/ Angles Support. **At Elevator, Bldg. B.** Ref: 3/A10
3. Aluminum Roof Access Ladder, 10' (H) Approx. Mill Finish. **Final Paint by Others. At Bldg. B.** Ref: A02.1, 3/A10, 1/A10.1
4. **(93' LF)** Approx. Aluminum Grab Rail at Stairs Guardrail. Anodized. **At Diving Tower.** Ref: A04.0, 3/A04.5
5. **(2 ea.)** Full Swing Gates 42" (H). Aluminum with Vertical Pickets. Anodized. **At Platforms Access 1 and 3.** Ref: A04.0, A04.2, A04.3
6. Lockable Sliding Aluminum Gate with Vertical Pickets W=4'-0", H=7'-0". Anodized. **At Diving Tower Access.** Ref: A04.0, A04.3
7. Lockable Sliding Aluminum Gate with Vertical Pickets W=8'-7", H=7'-0". Anodized. **At Diving Tower Access.** Ref: A04.1, A04.4
8. **(170' LF)** Approx. Aluminum Wall Rail at Stairs. Anodized. **At Diving Tower.** Ref: A04.0, A04.1, A04.5

9. **Modification Item #6 of Proposal per New Drawings. (571' LF)**  
**Approx. Aluminum Guardrails with New Design.** One Additional Rail and Intermediate Stainless Steel Cable Railing. Ref: A04.0, A04.1, A04.2, A04.3, A04.4, A04.5
10. **(1 ea.) HSS6x6x1/2" x 8' (H) Approx.** Galvanized Steel Column with Base Plate and Cap Plate. Ref: S-38, S-18, S-60
11. **(136' LF) Cable-railing Guardrail with Light Fixture Type "E"**  
 Considered use of **FB 316 SS 1.90" #4 Cable Top Rail Lumenrail by Wagner (Part Number: QHW109667-2).** At Upper-deck Floor @ Building B. Ref: 1/A02.1, 12/A15
12. **(4' LF) Cable-railing Guardrail At Lobby/Stair #1 @ Building B.** Ref: 1/A10.1
13. **(42' LF) Fall Protection Aluminum Guardrail.** Two Rails. Anodized. At Building B. Ref: 2/A02.1, 8/A15
14. **(170' LF) Aluminum Picket Guardrail w/ grab rail, instead Alum. Wall rail.** Anodized. At Diving Tower. Ref: A04.0, A04.1, A04.5

**Lump Sum: \$268,411.80**  
**SALES TAX INCLUDED**

**15. Bond 3% to Add.**

**\$8,052.35**

Thank you.

Approved by: \_\_\_\_\_

Regards,  
 Claydel Lopez

Position in Company: \_\_\_\_\_

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

## HP Budget Breakout

BUDGET:	<b>27m Tower - Misc Iron</b>					
Item # 4	Guardrail at Stairs	5.02	93	LNFT	300.00	27,900
Item # 5	Gates - 42" high with vertical pickets	5.02	2	EACH	1,250.00	2,500
Item # 6	Sliding Alum Gate - 4ft x 7ft	5.02	1	LSUM	2,500.00	2,500
Item # 7	Sliding Alum Gate - 8'-7" x 7ft	5.02	1	LSUM	4,500.00	4,500
Item # 8	Wall Rail at Dive Tower	5.02	170	SQFT	160.00	27,200
Item # 9	Upgrade Railing at Dive Tower	5.02	571	LN.FT.	125.00	71,375
Item # 14	Guardrail at Stair Tower	5.02	170	LN.FT.	200.00	34,000
	Subcontractor Bond	5.02	3%	\$SUB	169,975.00	5,099
<b>Subtotal 27M Tower - Misc Metal Fab - Budget breakout</b>						<b>\$175,074</b>

# FENCE MASTERS, INC.

3550 N. W. 54<sup>TH</sup> STREET  
MIAMI, FLORIDA 33142

DADE: (305)635-7777 \* BROWARD (954)463-3172 \* FAX: (305)635-7887

Date:	9/10/2019	Name:	Jose Ortiz
Company:	Hensel Phelps	Email:	jortiz@henselphelps.com
Address:	888 SE 3 Ave, Suite 200	Job Name:	Ft Laud Auatic Center – Revision 7 changes
City:	Fort Lauderdale, FL 33316	Job Address:	
Phone:	(407) 968-8337, Mobile:		

*We propose, subject to acceptance by Fence Masters, Inc., (seller) to perform work in accordance with quantities and sizes listed below. Before erection is begun, purchaser is to establish property line stakes and grade stakes and to remove all obstructions that may interfere with erection. Purchaser is responsible for location of any underground lines. Fence Masters, Inc. is not responsible for any damage to unmarked lines. After the contract is executed and received by Fence Masters, Inc., notice to proceed is to be provided by purchaser at least 14 days prior to date of commencement of the work.*

## CHANGES TO PRICE PER REVISION 7

- |  |     |            |             |
|--|-----|------------|-------------|
| 1. Replace 6' section of picket fence with powder coated picket double gates       | ADD | \$3,135.00 | ← BLDG B    |
| 2. Replace 8' chain link gates with 10' v-track gate at pool area                  | ADD | \$3,340.00 |             |
| 3. Add 2 anodized slide gates at dive tower, 2 smaller swing gates at ground level | ADD | \$9,620.00 | ← 27m Tower |

## TOTAL ADD TO CONTRACT

**\$16,095.00**

Panic hardware and closers are included on entry/exit picket gates, as well as a center mulion. Gates are designed to swing out only. If architect wants 180 degree swinging gates, he will have to supply more details as to how this will be achieved.

Pool picket gates are the only gates to be manufactured with annodized aluminum. All other gates to be powder coated over mill finish.

Temporary fence is not included in this proposal.

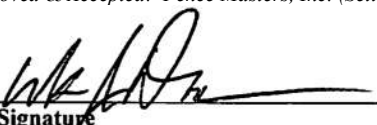
Water cut special design gates are not included in this proposal.

*Subject to credit approval by Fence Masters, Inc. Terms are net on billing. Interest of 1 ½ % per month will be charged on accounts past due. Title to the property as addressed by this proposal shall remain in the seller, Fence Masters, Inc. until payment in full is received, pursuant to the terms hereof. This is a retain title contract.*

*In the event the money due hereunder, or any portion thereof, has to be collected on demand of an attorney or by suit, the purchaser agrees to pay all costs of collection including interest at the highest legal rate and reasonable attorney's fees.*

Approved & Accepted: Fence Masters, Inc. (Seller)

Approved & Accepted by Purchaser: Hensel Phelps

By   
Signature  
John Doerschuck, Project Manager

By \_\_\_\_\_  
Signature  
Jose Ortiz,





**Date: March 31, 2020**

**Project Name: Ft Lauderdale Aquatic Center – REV 7**

**Attention: Hensel Phelps**

**We are pleased to present the following proposal for your review.**

## **CHANGE ORDER - REV 7**

### **Scope of Work:**

Contract Scope: Building B Only

- 1) Install min R-22 insulation as a base layer to the concrete deck with adhesive.
- 2) Install ¼ inch per foot tapered crickets in adhesive.
- 3) Install 060 GAF TPO fully adhered per code and uplift requirements.

### **Addition of Pedestal Pavers Over TPO (Addition of a protection layer- 80mil TPO at each pedestal heat welded)**

<b><u>Materials</u></b>	<b><u>Qty</u></b>	<b><u>Unit Price</u></b>	<b><u>Ext. Price</u></b>
80mil TPO 10x100	3	\$950.00	\$2,850.00
TPO Membrane Cleaner	3	\$80.00	\$240.00
TPO Bonding Adhesive	2	\$116.00	\$232.00
Rags	3	\$23.00	\$69.00
		<b><u>Tax</u></b>	<b><u>\$237.37</u></b>
		<b><u>Total</u></b>	<b><u>\$3,628.37</u></b>

<b><u>Labor</u></b>	<b><u>Hrs</u></b>	<b><u>Hrly Rate</u></b>	<b><u>Ext. Price</u></b>
Labor - Install 80 Pads - Heat Weld	128	\$45.00	\$5,760.00
Delivery/Load	8	\$45.00	\$360.00
		<b>Total:</b>	<b>\$6,120.00</b>

Sub-Contractor Pavers	1	\$61,429.00	<b>\$61,429.00</b>
Paver sub - Per Diem	1	\$3,000.00	<b>\$3,000.00</b>
Crane for hoisting Paver Material	1	\$1,500.00	<b>\$1,500.00</b>

1421 Oglethorpe West Palm Beach, Florida 33405  
(p) 561.223.2096 (f) 561.444.2272

License # CCC1332069

**Solutions Driven and Customer Focused**

<b>Cost</b>	<b>\$75,677.37</b>
<b>O.H.&amp;P. 15%</b>	<b>\$11,351.61</b>
<b>Sales</b>	<b>\$87,028.98</b>

**ADD to Contract: \$87,028.00**  
**Add for Payment and Performance Bond: ADD 2%**

**Clarification/Qualification - This paver system will not be able to support a bleacher system.**

### **ACCEPTANCE OF CHANGE ORDER**

The above prices, specifications and conditions are satisfactory and are hereby accepted. The signer authorizes Therma Seal Roof Systems, LLC to do the work as specified. Payment will be made as outlined above.

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

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard roofing practices. Contractor retains the initial right to remedy any consequential damages at the sole discretion of the contractor and shall not be held liable for any damages occurring previous to the following performance of contracted work. Any alteration or deviation from the specifications involving extra costs will be executed only with written orders, and will become an extra charge over and above the estimate. All signed agreements are contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, flood and other necessary insurances as require by law. Time is of the essence concerning this valuable contract. This project may be stopped if progress payments are not made on time. If it becomes necessary for the contractor to expend legal fees to collect monies owed, these legal fees will be the responsibility of the property owner. The signer can be personally liable for 2% interest per month after 10 days. All warranties to be issued upon completion of contract and all monies paid in full.

### **HP BUDGET BREAKOUT**

<b>Building B - Rev #7 Roofing</b>					
Thermaseal - Rev #7 proposal	1	\$SUB	87,028.98		87,029
Thermaseal - Rev #7 proposal - lightweight	1	\$SUB	5,167.12		5,167
Subcontractor Bond	2%	\$SUB	92,196.10		1,844
Temporary Protection - Material - Roof Pavers, 2nd FL & Stairs	1,379	SQ.FT.	1.75		2,413
Temporary Protection - Labor - Roof Pavers, 2nd FL & Stairs	344	HRS	40.39		13,892
Contruction Cleaning and Safety - Roof Deck - Rev #7	258	HRS	28.51		7,356
Final Cleaning - Roof Pavers & Glazing	3,810	SQ.FT.	1.50		5,715
<b>Subtotal Building B - Roofing - Budget breakout</b>					<b>\$123,416</b>

**1421 Oglethorpe West Palm Beach, Florida 33405**  
**(p) 561.223.2096 (f) 561.444.2272**

License # CCC1332069

**Solutions Driven and Customer Focused**



**Certified Plumbing - Pollutant Storage - Contractors**

CORPORATE OFFICE: 1329 SHOTGUN ROAD • SUNRISE, FL 33326 -1935  
BROWARD (954) 423-0000 • DADE (305) 885-8948 • TOLL FREE (800) 921- 9289

## CHANGE ORDER

AIA DOCUMENT G701 Worksheet

PROJECT: **Fort Lauderdale Aquatic Center** RWP CHANGE ORDER #: **18012-6**  
Fort Lauderdale, FL

INITIATION DATE: 3/1/2020

FROM: **Right Way Plumbing Company**  
1329 Shotgun Road  
Sunrise, Florida 33326

ARCHITECTS PROJECT NO: **40,159.90**

CONTRACT DATE:

**32,876.12**

We are directed to make the following changes in this Contract:

### Changes Based on 100% Submission Drawings

1- To Add Booster Pump at Teaching & Spa Mechanical Location for Dive Tower Water Line.....	\$33,126.52
2- To Add Water Line for and Hose Bibbs for Dive Tower.....	\$7,283.78
3- To Add Bathroom in Building B.....	\$4,491.47
4- To Add Elevator Sump Pump in Building B.....	\$2,726.04
5- To Add 2 Roof Hose Bibbs in Building B.....	\$940.00
6- To Pipe Roof Vent in Building B to Common Location.....	\$1,620.00
7- To Add Trench Drain at Building B.....	\$2,690.00
	<b>\$52,877.81</b>

27m  
Tower

**\$40,410.30**

Signature of the Contractor indicated his agreement herewithin, including any adjustment in the Contract Sum or Contract Time.

The Original Contract Sum was .....  
Net change by previously authorized Change Orders .....  
The Contract Sum prior to this Change Order was .....  
The Contract Sum will be increased (decreased) by this Change Order ..... **\$52,877.81**  
The new Contract Sum including this Change Order will be .....  
The Contract Time will be increased (decreased) by ..... N/A  
The Date of Substantial Completion as of the date of the Change Order therefore is ..... N/A

CONTRACTOR:  
**Hensel Phelps Constuction Co.**

SUBCONTRACTOR:  
**Right Way Plumbing Company**  
1329 Shotgun Road  
Sunrise, Florida 33326

OWNER:

BY

BY

BY

DATE

DATE

DATE



## CHANGE ORDER WORKSHEET

Description	Qty	Unit	Materials	
			Cost	Ext Cost

**1- To Add Booster Pump at Teaching & Spa Menchanical Location for Dive Tower Water Line**

Booster Pump w/ Enclosure	1	EA	#####	\$26,231.14
Misc. Water Pipe Material	1	EA	\$635.00	\$635.00
				<b>\$26,866.14</b>

**SUMMARY: 1- To Add Booster Pump at Teaching & Spa Menchanical Location for Dive Tower Water Line**

Total Itemized Materials				\$26,866.14
Tax on Materials			7.00 %	1,661.96
Excavation	\$70.00	0.00 Hrs		\$0.00
Total-Plumber	\$52.29	16.00 Hrs		\$836.64
Labor - Supervision	\$68.75	1.60 Hrs		\$110.00
Project Manager	\$95.00	0.00 Hrs		\$0.00
SUB-TOTAL				29,474.74
Markup			10.00 %	2,947.47
	32,422.21			TOTAL
Performance & Payment Bond		1.4 %		453.91
				<b>TOTAL</b>
				<b>\$33,126.52</b>
				<b>32,876.12</b>

7% of 1st \$5,000 and 6% after  
on aggregate purchase

**2- To Add Water Line for and Hose Bibbs for Dive Tower**

Hose Bibbs	11	EA	\$50.00	\$550.00
2.00" COPPER TYPE L TUBE	120	FT	\$7.84	\$941.24
2.00" COUPLING CC #600	5	EA	\$5.27	\$26.34
0.75" ADAPTER CXM #604	11	EA	\$1.59	\$17.46
0.75" ELL 90 CC #607	11	EA	\$1.01	\$11.16
2.00" ELL 90 CC #607	8	EA	\$10.48	\$83.82
2.00" TEE R O CCC #611	11	EA	\$14.41	\$158.49
2.00" TUBE STRAP C #624	10	EA	\$0.71	\$7.10
0.75" BALL VALVE 2PC FP S-FP600A-LF	11	EA	\$11.98	\$131.79
2.00" BALL VALVE 2PC FP S-FP600A-LF	1	EA	\$70.72	\$70.72
2.00" HANGER ASSY COP	3	EA	\$8.01	\$24.04
				<b>\$2,022.17</b>

**SUMMARY: 2- To Add Water Line for and Hose Bibbs for Dive Tower**

Total Itemized Materials				\$2,022.17
Tax on Materials			7.00 %	\$141.55
Core Drilling				\$750.00
Total-Plumber	\$52.29	60.00 Hrs		\$3,137.40
Labor - Supervision	\$68.75	6.00 Hrs		\$412.50
Project Manager	\$95.00	0.00 Hrs		\$0.00
SUB-TOTAL				\$6,463.62
Markup			10.00 %	\$646.36
				TOTAL
Performance & Payment Bond		1.4 %		\$100.55
				<b>TOTAL</b>
				<b>\$7,283.78</b>

**3- To Add Bathroom in Building B**

Water Closet	1	EA	\$625.70	\$625.70
Lavatory	1	EA	\$967.38	\$967.38
Floor Drain	1	EA	\$214.68	\$214.68
2.00" PVC SCH-40 PIPE	60	FT	\$0.58	\$34.74
3.00" PVC SCH-40 PIPE	40	FT	\$1.16	\$46.32
2.00" COUPLING PVC 100	2	EA	\$0.46	\$0.93
3.00" COUPLING PVC 100	2	EA	\$1.59	\$3.17

Description	Materials		
	Qty	Unit	Ext Cost
2.00" BEND 1/4 PVC 300	5	EA	\$5.56
2.00" TEE SAN PVC 400	1	EA	\$1.81
2.00" TEE SAN R PVC 401	1	EA	\$41.24
3.00" P-TRAP PVC 706-X	1	EA	\$10.78
2.00" TEST TEE PVC 444-X	2	EA	\$7.27
3.00" CLOSET BRANCH BFF PVC	1	EA	\$43.48
Misc. Water Pipe Material	1	EA	\$275.00
			<b>\$2,288.44</b>

#### SUMMARY: 3- To Add Bathroom in Building B

Total Itemized Materials			<b>\$2,288.44</b>
Tax on Materials	7.00	%	\$160.19
Excavation	\$70.00	8.00 Hrs	\$560.00
Total-Plumber	\$52.29	24.00 Hrs	\$1,254.96
Labor - Supervision	\$68.75	2.40 Hrs	\$165.00
Project Manager	\$95.00	0.00 Hrs	\$0.00
SUB-TOTAL			\$4,428.59
Markup	0.00	%	\$0.00
		TOTAL	\$4,428.59
Performance & Payment Bond	1.4	%	\$62.00
		TOTAL	\$4,491.47

#### 4- To Add Elevator Sump Pump in Building B

Elevator Sump Pump	1	EA	\$587.25	\$587.25
Misc. Sanitary Material	1	EA	\$225.00	\$225.00
				<b>\$812.25</b>

#### SUMMARY: 4- To Add Elevator Sump Pump in Building B

Total Itemized Materials			<b>\$812.25</b>
Tax on Materials	7.00	%	\$56.86
Excavation	\$70.00	0.00 Hrs	\$840.00
Total-Plumber	\$52.29	12.00 Hrs	\$627.48
Labor - Supervision	\$68.75	1.20 Hrs	\$82.50
Project Manager	\$95.00	Hrs	\$0.00
SUB-TOTAL			\$2,419.09
Markup	10.00	%	\$241.91
		TOTAL	\$2,687.88
Performance & Payment Bond	1.4	%	\$37.63
		TOTAL	\$2,726.04

#### 5- To Add 2 Roof Hose Bibbs in Building B

Misc. Water Pipe Material	1	EA	\$250.00	\$250.00
Hose Bibbs	2	EA	\$50.00	\$100.00
				<b>\$350.00</b>

#### SUMMARY: 5- To Add 2 Roof Hose Bibbs in Building B

Total Itemized Materials			<b>\$350.00</b>
Tax on Materials	7.00	%	\$24.50
Permit & Inspection Fees			\$0.00
Total-Plumber	\$52.29	8.00 Hrs	\$418.32
Labor - Supervision	\$68.75	0.80 Hrs	\$55.00
Project Manager	\$95.00	0.00 Hrs	\$0.00
BIM Modeling	\$125.00	0.00 Hrs	\$0.00
SUB-TOTAL			\$847.82
Markup	10.00	%	\$84.78
		TOTAL	\$942.02
Performance & Payment Bond			\$0.00

			Materials	
Description	Qty	Unit	Cost	Ext Cost
			TOTAL	\$940.00
6- To Pipe Roof Vent in Building B to Common Location				
Misc. Pipe and Fittings	1	EA	\$475.00	\$475.00
				\$475.00
SUMMARY: 6- To Pipe Roof Vent in Building B to Common Location				
Total Itemized Materials				\$475.00
Tax on Materials	7.00	%		\$33.25
Permit & Inspection Fees				\$0.00
Total-Plumber	\$52.29	16.00 Hrs		\$836.64
Labor - Supervision	\$68.75	1.60 Hrs		\$110.00
Project Manager	\$95.00	0.00 Hrs		\$0.00
BIM Modeling	\$125.00	0.00 Hrs		\$0.00
SUB-TOTAL				\$1,454.89
Markup	10.00	%		\$145.49
			TOTAL	\$1,616.54
Performance & Payment Bond				\$0.00
			TOTAL	\$1,620.00
7- To Add Trench Drain at Building B				
Trench Drain	12	FT	\$51.00	\$612.00
Misc. Storm Piping Material	1	EA	\$325.00	\$325.00
				\$937.00
SUMMARY: 7- To Add Trench Drain at Building B				
Total Itemized Materials				\$937.00
Tax on Materials	7.00	%		\$65.59
Permit & Inspection Fees				\$0.00
Total-Plumber	\$52.29	24.00 Hrs		\$1,254.96
Labor - Supervision	\$68.75	2.40 Hrs		\$165.00
Project Manager	\$95.00	0.00 Hrs		\$0.00
BIM Modeling	\$125.00	0.00 Hrs		\$0.00
SUB-TOTAL				\$2,422.55
Markup	10.00	%		\$242.26
			TOTAL	\$2,691.72
Performance & Payment Bond				\$0.00
			TOTAL	\$2,690.00



# PROPOSED CHANGE ORDER

**Hypower, Inc.**

5913 NW 31st Ave.  
Fort Lauderdale, FL 33309

**PCO #** PCO-010r1  
**Date:** 4/28/2020  
**Project Name:** FL Aquatic Center  
**Project Number:** 400877  
**Page Number:** 1

Client Address:

**Hensel Phelps**

Contact: Callie Hepler  
100 NE 3rd Ave, Suite 440  
Fort Lauderdale, FL 33301

---

**Work Description**

---

**SCOPE:**

Provide power and lighting risers up the new 27 meter dive tower.

Provide and install 16 type K accent lights

Provide and install 18 type W WP strip fixtures

Provide and install 6 type W1 wall pack fixtures

- Lighting fixture package is a subject to approval package

**EXCLUSIONS:**

Routing of conduits and material used is subject to review upon receipt of Tilt wall manufactures shop drawings.

Assumed stairwell walls will be a complete pathway for risers

Conduit / Wire or fixture for the FAA aircraft warning light

Lighting Protection System

Scaffolding

Overtime

Cutting/Patching

*This proposed change order only includes compensation for the direct cost and time impact to perform the work expressly described herein. Hypower, Inc., reserves the right to recover additional time and/or compensation for delay or other impacts for which it has previously given notice or that arise after the date hereon. This paragraph shall control in the event of conflict or inconsistency with any other provision of relevant contract or subcontract documents.*

*We have the right to revise this proposal for unintended errors and omission.*

This PCO is due upon date of receipt.

We request a time extension of 0 days.

See attached documents for your reference.

---

**Itemized Breakdown**

---

Description	Qty	Total Mat.	Total Hrs.
3/4" CONDUIT - RMC - GALV	318	1,464.77	19.88

**ORIGINAL**

CAM #20-0487

Exhibit 3

Page 60 of 73

# PROPOSED CHANGE ORDER

Client Address:

## Hypower, Inc.

5913 NW 31st Ave.  
Fort Lauderdale, FL 33309

## Hensel Phelps

Contact: Callie Hepler  
100 NE 3rd Ave, Suite 440  
Fort Lauderdale, FL 33301

PCO #

Date:

Project Name:

Project Number:

Page Number:

PCO-010r1

4/28/2020

FL Aquatic Center

400877

2

Description	Qty	Total Mat.	Total Hrs.
3/4" CONDUIT - RMC - GALV	318	1,464.77	19.88
3/4" LOCKNUT - STEEL	88	42.72	2.53
1" LOCKNUT - STEEL	12	10.22	0.47
3/4" BUSHING - PLASTIC	88	27.56	2.20
1" BUSHING - PLASTIC	12	5.95	0.39
3/4" MEASURE CUT & THREAD LABOR - RMC - GALV	18	0.00	4.50
3/4" 1-H STRAP - RMC - MALL	40	77.25	2.70
3/4" CONDUIT - PVC40	1,007	405.72	45.31
1" CONDUIT - PVC40	234	149.90	12.87
3/4" ELBOW 90 DEG - PVC40	88	133.80	20.90
1" ELBOW 90 DEG - PVC40	12	27.64	3.30
3/4" COUPLING - PVC	176	72.44	0.00
1" COUPLING - PVC	24	15.00	0.00
3/4" ADAPTER MALE - PVC	88	63.12	11.00
1" ADAPTER MALE - PVC	12	11.54	1.80
#12 THHN BLACK	1,399	392.84	9.01
#10 THHN BLACK	4,068	1,747.04	28.72
#12 THHN GREEN	350	98.28	2.25
#10 THHN GREEN	1,108	475.84	7.82
WIRE CONN RED	158	30.59	11.85
4" SQ BOX EXT RING 3/4" KO	20	489.45	1.75
1G MSNRY BOX 3 1/2" DEEP	6	179.45	2.63
4" OCT CONC RING 1/2 & 3/4" KO	44	1,232.00	17.60
4" OCT CONC RING BLANK COVER	44	533.25	1.38
4 9/16x 1 15/16" DEEP CAST BOX W/ 4x 3/4" HUBS - CI	35	875.00	19.60
COVER ROUND BLANK - CI	35	527.45	2.80
GROUND SCREW W/ INSUL #12 LEAD	85	361.25	3.19
#8 TO #10x 7/8 PLAS ANCHOR (3/16)	110	3.51	8.25
#10x 1 P/H SELF-TAP SCREW	110	11.31	4.13
20A 125V DUP REC - GFCI IVY (SG)	6	397.50	1.88
TIE WIRE 400FT 16-1/2G ROLL P/FT	92	794.88	2.30
CONCRETE CHAIR	84	15.12	3.36
Type K	16	0.00	128.00
Type W	18	0.00	14.40
Type W1	6	0.00	9.30
4x switch box	1	1,000.00	2.00
<b>Totals</b>	<b>10,012</b>	<b>11,672.39</b>	<b>410.06</b>

## Summary

General Materials			11,672.39
LIGHTING FIXTURES			19,090.00
Material Tax	(@ 7.000 %)	1,895.75	<del>2,153.37</del>
<b>Material Total</b>		<b>32,658.14</b>	<b><del>32,915.76</del></b>
COMPOSITE CREW	(287.04 Hrs @ \$62.50)		17,940.00
FOREMAN	(123.02 Hrs @ \$75.00)		9,226.50
PROJECT MANAGER	(61.51 Hrs @ \$100.00)		6,151.00
VDC/CAD	(41.01 Hrs @ \$65.00)		2,665.65



7% of 1st \$5,000 and 6% after  
on aggregate purchase

ORIGINAL

# PROPOSED CHANGE ORDER

**Hypower, Inc.**  
5913 NW 31st Ave.  
Fort Lauderdale, FL 33309

**Hensel Phelps**  
Contact: Callie Hepler  
100 NE 3rd Ave, Suite 440  
Fort Lauderdale, FL 33301

Client Address:

**PCO #** PCO-010r1  
**Date:** 4/28/2020  
**Project Name:** FL Aquatic Center  
**Project Number:** 400877  
**Page Number:** 3

10% markup applied to equipment

## Summary (Cont'd)

Articulating Boom Lift 90ft	(1.00 @ 1.00 @ \$3,250.00 + 7.000 % + 10.000 % + 0.000 %)	3,825.25
<b>Subtotal</b>		<b>72,724.16</b>
Overhead	(@ 10.000 %)	6,864.13 <del>7,272.42</del>
<b>Subtotal</b>		<b>79,330.67 <del>79,996.58</del></b>
LIGHTNING PROTECTION	(\$8,400.00 + 0.000 % + 0.000 % + 0.000 %)	8,400.00
<b>Subtotal</b>		<b>87,730.67 <del>88,396.58</del></b>
Bond	(@ 1.200 %)	1,052.76 <del>1,060.76</del>
<b>Final Amount</b>		<b><del>\$89,457.34</del> 88,783.43</b>

This markup should only be applied to labor and material - equipment already had 10% markup above. Labor and material subtotal = 68,641.29

## CONTRACTOR CERTIFICATION

Name:	_____
Date:	_____
Signature:	_____

I hereby certify that this quotation is complete and accurate based on the information provided.

## CLIENT ACCEPTANCE

PCO #	PCO-010r1
Final Amount:	\$89,457.34
Name:	_____
Date:	_____
Signature:	_____
Change Order #:	_____

I hereby accept this quotation and authorize the contractor to complete the above described work.

ORIGINAL

**LANGAN ENGINEERING & ENVIRONMENTAL SERVICES**

15150 NW 79<sup>th</sup> Court  
Suite 200, Miami Lakes, FL 33016  
(786) 264-7200 FAX (786) 264-7201

**CONTRACT CHANGE ORDER FOR ADDITIONAL SERVICES**

**DATE:** 23 March 2020

**CHANGE ORDER NO:** 4

**PROJECT TITLE:** FLAC

**ORDER BY:** Mr. Kevin Curry

**COMPANY:** Hensel Phelps (**HP - CLIENT**)

**STATEMENT OF WORK:**

This change order request is associated with the additional scope and fees associated with the following task:

**Dive Platform Configuration Changes – Foundation Reevaluation**

The dive platform configuration (dimensions of walls and positions of dive boards, etc.) was modified, which required reevaluation of the dive platform support system. This required Langan to increase the compressive and tensile pile capacities to what could be attained by the foundation contractor's (Keller) current maximum installation depth (el -64 ft, NAVD). The dive platform configuration change also required an additional lateral analysis to evaluate an increase in wind loading. Langan was also requested to evaluate the existing reinforcing steel and provide the project structural engineer (WSP) with thoughts relative to ways to utilize the existing two-cage configuration by extending single bars or an arrangement of bars to address the increase in tension loading as opposed to reconfiguration of the cage completely. Langan provided the tensile demand with depth based upon the new tension capacity for WSP's finalization of the modified cage. One final review of this information is also included as part of this change order request, subsequent to WSP providing the refined dive platform loads.

**COST:**

<b>Dive Platform Configuration Changes – Foundation Reevaluation</b>	<b>\$3,500</b>
--	----------------

**LANGAN** has proceeded with the above-described additional services, based upon approval to proceed from **HP**. If notified to stop work on these services, the client agrees to pay Langan for all work completed up to the stop-work notification. All terms and conditions of the original agreement between **HP** and **LANGAN** remain in effect.



Agreement Authorized By: HP's Representative

for Langan: Matthew E. Meyer, P.E., D.GE

Attachment: Langan's Schedule of Fees

cc: Carlos Ortiz & Yordany Rodriguez / Langan

FL Certificate of Authorization No. 6601

\\Langan.com\data\FTL\data8\330036801\Management\Proposals\Change Orders\2020-3-23 Change Order No. 4.docx

**LANGAN**

CAM #20-0487

Exhibit 3

Page 63 of 73



## SCHEDULE OF FEES AND CONDITIONS

Effective 1 January 2018

BILLING CATEGORY	HOURLY BILLING RATE
Technicians/Word Processors/Technical Typists/Financial Analysts	88
Engineering Technicians/Inspectors, CADD and GIS Technicians	98
Assistant Staff Personnel	103
Staff Personnel - Level I	111
Staff Personnel Level II/Senior Engineers/Field Technicians	119
Staff Personnel- Level III	124
Senior Staff Personnel - Level I	141
Senior Staff Personnel - Level II	148
Senior Staff Personnel - Level III	155
Project Personnel - Level I	182
Project Personnel - Level II	192
Project Personnel - Level III	202
Senior Project Personnel - Level I	222
Senior Project Personnel - Level II	238
Associate/Senior Project Personnel - Level III	258
Senior Associate	283
Principal	310
Senior Principal	336

- Managing Principals and Senior Consultants are billed at \$362/hour
- At any level, personnel may be engineers, geologists, hydrogeologists, landscape architects, regulatory specialists, scientists, planners, toxicologists, wetland specialists, etc.
- Litigation related services, including expert testimony, court appearance, depositions, etc. are billed at 1.5 times the above rates.
- Langan reserves the right to make adjustments for individuals within these classifications as may be necessary by reason of promotion, and to increase our hourly billing rates due to annual salary increases.

### COMPUTER SERVICES

Our in-house computer usage is billed on a time used basis at the following rates:

CADD, GIS and Terrain Modelling Programs

Engineering Programs/Digitizing

**Rate per Hour**

\$31

\$26

Our in-house plotting and reproduction usage is billed by media type on an area basis at the following rates:

Bond (Paper)

Mylar (Film)

Color (Paper)

Color (Scanning)

Color (Film)

**Cost per SF**

\$0.31

\$2.08

\$3.12

\$3.12

\$4.15

### SURVEYING SERVICES

See survey-specific Schedule of Fees and Conditions

### SUBCONTRACTOR/SUBCONSULTANT COSTS

All subcontracted services including laboratory tests and analyses, borings, test pits, report reproduction, outside computer services, surveying, etc., will be billed at cost plus 15%.

### REIMBURSABLE EXPENSES

#### PROFESSIONAL LIABILITY AND RELATED INSURANCE

A surcharge of 4% will be added to the invoice total to cover the cost of Professional Liability Insurance and related costs of insurance.

#### IN-HOUSE LABORATORY TESTS

Laboratory testing will be billed at unit rates depending on the type of test. A schedule of unit prices for standard laboratory tests will be furnished upon request. Engineering soil and/or rock samples will be stored for 90 days without charge and will be discarded, or returned to the client, unless otherwise requested by the client. Sample storage past 90 days will be billed at \$109.00 per box per month.

#### HEALTH AND SAFETY AND OTHER SPECIAL FIELD EQUIPMENT

Special equipment such as nuclear densometers, seismographs, load test equipment, surveying equipment, disposable protective equipment, and respirator cartridges will be billed on a daily rate. OVA's and similar safety and/or monitoring equipment will be billed on daily, weekly or monthly rates. A rate schedule will be provided upon request.

#### OTHER EXPENSES

All expenses incurred for special supplies, plan reproduction, long distance communications, travel and subsistence and other project related expenses will be billed at cost plus 10%. Car mileage is billed at current IRS rates. Sampling vans are billed at daily rates plus mileage.

### TERMS

Invoices are payable within 30 days. Service charge of 1.0% /mo. will be imposed on all bills not paid w/in 30 days. If a bill remains unpaid after 60 days, we will discontinue our work until payments are received to bring your account current. We reserve the right to terminate an account without notice for non-payment.

**LANGAN**



## Camps, James

---

**From:** Juan Justiniano <jjustiniano@cartayaandassociates.com>  
**Sent:** Wednesday, April 15, 2020 3:48 PM  
**To:** Camps, James  
**Cc:** Olson, Cory M.; Mario M. Cartaya; Curry, Kevin M.; Jennings, Greg P.  
**Subject:** RE: 10210.00 FLAC CAs and Budget  
**Attachments:** 20200415\_FLAC Extended CA.pdf  
  
**Categories:** Follow Up On

James,

Please see attachment. I have requested Keith's proposal, but have not received it yet.

### Juan Justiniano

Cartaya and Associates Architects, P.A.  
2400 E. Commercial Boulevard, Suite 201  
Fort Lauderdale, FL 33308  
P (954)771-2724 Ext. 4  
[www.cartayaandassociates.com](http://www.cartayaandassociates.com)

---

**From:** Camps, James [mailto:JCamps@henselphelps.com]  
**Sent:** Wednesday, April 15, 2020 1:48 PM  
**To:** Juan Justiniano <jjustiniano@cartayaandassociates.com>; Jennings, Greg P. <GJennings@henselphelps.com>  
**Cc:** Olson, Cory M. <cmolson@henselphelps.com>; Mario M. Cartaya <mjcartaya@cartayaandassociates.com>; Curry, Kevin M. <KCurry@henselphelps.com>  
**Subject:** RE: 10210.00 FLAC CAs and Budget

Afternoon Juan,

Any update on the request below?

Best Regards,

### James Camps

Project Engineer  
Construction Group  
501 Seabreeze Blvd  
Ft. Lauderdale, FL 33316  
754.900.7325 (O)  
305.967.3195 (M)  
[Jcamps@henselphelps.com](mailto:Jcamps@henselphelps.com)



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ABOUT





CARTAYA &  
ASSOCIATES  
ARCHITECTS P.A.

April 15, 2020

Cory Olson  
Operations Manager  
South Florida Office - Hensel Phelps  
888 SE 3rd Avenue, Suite 200  
Ft. Lauderdale, Florida 33316

RE: Ft. Lauderdale Aquatic Center  
Extended Construction Administration - Additional Services Proposal

Cory,

Please accept this Additional Service Proposal to provide you Extended Construction Administration (CA) Services for Architecture for the above referenced project.

Our original Scope of Work for CA per attached A/E Fee Itemization and Proposal dated January 19, 2018 stated (see attachment):

1. Construction is estimated to be fourteen (14) months.
2. Cartaya shall include Construction Administration services including acting as the Design Team coordination first point of contact. Hensel Phelps shall provide all shop drawing and RFI logs, meeting minutes, change order reviews and pay application reviews. For the purposes of the CA fee calculation, Cartaya is estimating an average of 20 hours/week (1,200 project hours) allocated to one Construction Administrator. The Cartaya Construction Administrator shall visit the site every other week.

The Extended Construction Administration from the current date to July 2021 requires an additional request of Forty Four Thousand Dollars (\$44,000.00).

Please note that Consultants' requests for CA are not included in this proposal and are being sent directly to Hensel Phelps.

Should you have any questions, please contact me at your convenience.

Sincerely,

Cost divided into (3) buckets:

- 1.) 27M CA Costs - \$14,667
- 2.) North Observations CA Costs - \$14,667
- 3.) FPL Delay Costs - \$14,667

Juan Justiniano  
AIA, AICP, LEED AP BD+C  
Vice President  
Cartaya and Associates Architects, P.A.

AAC001388

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AND SERVICE  
SINCE 1979

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FORT LAUDERDALE | FLORIDA | 33308

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CAM #20-0487  
Exhibit 3

January 19, 2018

**Fort Lauderdale Aquatic Complex  
A/E Fee Itemization and Proposal**



**CARTAYA &  
ASSOCIATES  
ARCHITECTS**

Architectural and Engineering Fees: Base Bid								
Company	Discipline	Design Docs	DRC/ Commission Meeting	Const. Docs	Permitting	Bidding	Const. Admin.	Totals
Cartaya and Associates	Architecture	\$122,000.00	\$8,000.00	\$155,000.00	\$10,000.00	\$5,000.00	\$110,000.00	\$410,000.00
Louis Berger	Structural, MEP, Fire Protection Engineering	\$127,000.00	\$1,000.00	\$144,000.00	\$17,000.00	\$6,000.00	\$80,000.00	\$375,000.00
Counsillman Hunsaker	Pool Support Mechanical, Hydrostatic, Structural Engineering	\$170,000.00	\$2,250.00	\$100,000.00	\$13,750.00	\$6,500.00	\$32,500.00	\$325,000.00
Keith and Associates	Civil Engineering, Surveying, SUE, Landscaping	\$15,000.00	\$15,000.00	\$85,000.00	\$17,500.00	\$12,500.00	\$40,000.00	\$185,000.00
<b>Total Base Bid Fees</b>		<b>\$434,000.00</b>	<b>\$26,250.00</b>	<b>\$484,000.00</b>	<b>\$58,250.00</b>	<b>\$30,000.00</b>	<b>\$262,500.00</b>	<b>\$1,295,000.00</b>

Architectural and Engineering Fees: Optional Services Fees								
Company	Discipline	AA#1 Bleacher Shades	AA#2 Locker Bldg. Canopy	AA#3 Locker Room Additions and Renovation	AA#4 Dry Land Enclosure	Topo /Alta Survey	SUE	Construction Layout Survey
Cartaya and Associates	Architecture	\$6,500.00	\$7,500.00	\$32,000.00	\$16,000.00	-	-	-
Louis Berger	Structural, MEP, Fire Protection Engineering	\$5,500.00	\$1,500.00	\$11,500.00	\$2,500.00	-	-	-
Keith and Associates	Civil Engineering, Surveying, SUE, Landscaping	-	-	-	-	\$10,000.00	\$44,500.00	\$50,000.00
<b>Total Optional Services Fees</b>		<b>\$12,000.00</b>	<b>\$9,000.00</b>	<b>\$43,500.00</b>	<b>\$18,500.00</b>	<b>\$10,000.00</b>	<b>\$44,500.00</b>	<b>\$50,000.00</b>

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FORT LAUDERDALE | FLORIDA | 33308

PHONE: (954) 771-2724  
WWW.CARTAYAANDASSOCIATES.COM

CAM #20-0487  
Exhibit 3  
Page 67 of 73

January 19, 2018

**Fort Lauderdale Aquatic Complex  
A/E Fee Itemization and Proposal**



**CARTAYA &  
ASSOCIATES  
ARCHITECTS**

**Reimbursable Expenses Budget Estimate**

Company	Items	Design Docs	DRC/ Commission Meeting	Const. Docs	Permitting	Bidding	Const. Admin.	Totals
Cartaya and Assocaites	Plotting, Printing, Courier Deliveries, Renderings	\$3,000.00	\$6,000.00	\$5,000.00	\$1,000.00	\$1,000.00	\$9,000.00	\$25,000.00

1. Reimbursable Expenses shall be billed at actual cost plus ten percent (10%)
2. Hensel Phelps shall provide all Permitting, Bidding and Construction Administration plotting and printing. Cartaya will provide rendering prints.
3. Construction is estimated to be fourteen (14) months.
4. Cartaya shall include Construction Administration services including acting as the Design Team coordination first point of contact. Hensel Phelps shall provide all shop drawings and RFI logs, meeting minutes, change order reviews and pay application reviews. For the purposes of the CA fee calculation, Cartaya is estimating an average of 20 hours/week (1,200 project hours) allocated to one Construction Administrator. The Cartaya Construction Administrator shall visit the site every other week.

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2400 E COMMERCIAL BOULEVARD | SUITE 201  
FORT LAUDERDALE | FLORIDA | 33308

PHONE: (954) 771-2724  
WWW.CARTAYAANDASSOCIATES.COM

## Camps, James

---

**From:** Curry, Kevin M.  
**Sent:** Wednesday, April 15, 2020 4:12 PM  
**To:** Camps, James  
**Subject:** FW: FLAC - Add Svs Rev1 FPL Delay & CA Ext, 27M, Bldg B & Unforeseen Condit's

**Categories:** Change Estimate/Cost Change, Follow Up On

Kevin Curry  
Project Superintendent  
Construction Group  
888 SE 3<sup>rd</sup> Ave  
Suite 200  
Fort Lauderdale, FL 33316  
305.763.2181  
[kcurry@henselphelps.com](mailto:kcurry@henselphelps.com)



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---

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---

**From:** Kramer, Milton <milton.kramer@wsp.com>  
**Sent:** Thursday, April 9, 2020 4:56 PM  
**To:** Olson, Cory M. <cmolson@henselphelps.com>  
**Cc:** Jennings, Greg P. <GJennings@henselphelps.com>; Curry, Kevin M. <KCurry@henselphelps.com>; Juan Justiniano <jjustiniano@cartayaandassociates.com>; DeRose, Lawrence <lawrence.derose@wsp.com>  
**Subject:** FLAC - Add Svs Rev1 FPL Delay & CA Ext, 27M, Bldg B & Unforeseen Condit's

**[External Email]**

Cory,  
Here are the revisions we discussed. Pursuant our recent conversations on the additional services funding, we have over run our budget on this project for various reasons illustrated below. We are getting squeezed by our corporate office on explaining how we'll be able to finish the project, providing the necessary services during construction, without the appropriate funding. We have reviewed the extra efforts extended to date as well as those to finish the project, as the project schedule has extended beyond the original by 10 months due to an FPL delay as well as other scope changes. In such we have calculated a lump sum additional service fee of \$199,958. Below is a schedule of hours illustrating the breakdown of this fee along with additional explanations of select items for reference. We look forward to your authorization in order to proceed. We appreciate you accepting this request in email format and will prepare a formal proposal tomorrow.

<b>FPL Delay &amp; Construction Extension, 27M, N Bldg B, &amp; Exist Condit's Rev1</b>
---



	Draft	Sr Dsnr	Proj Eng	Sr Proj Eng	SR Eng/PM	Sr PM	QC	PM	SubTotal
<b>Description</b>	<b>\$95</b>	<b>\$130</b>	<b>\$150</b>	<b>\$165</b>	<b>\$195</b>	<b>\$295</b>	<b>\$195</b>	<b>\$195</b>	
FPL Delay & CA Extension (10 Months)	58.3	140.3	151.5	108.8	68.4	25.8	46.0	59.9	\$106,066
FPL Hard Costs	12.3	25.8	39.3	23.6	20.2	7.9	10.1	13.9	\$25,243
<b>27M Dive Tower</b>	<b>13.5</b>	<b>31.4</b>	<b>44.9</b>	<b>31.4</b>	<b>25.8</b>	<b>6.7</b>	<b>9.0</b>	<b>16.3</b>	<b>\$29,220</b>
North Building B	9.0	26.9	35.9	26.9	18.0	4.5	6.7	12.8	\$22,814
Unforeseen Existing Conditions	13.5	13.5	9.0	31.4	11.2	4.5	9.0	9.2	\$16,616
							<b>Total</b>		<b>\$199,958</b>

Costs divided up into the 27M and North Observation Deck for any unforeseen that may come about.

- FPL Delay & CA Extension 10 Months:
  - Additional coordination, meetings, RFI's, product submittals, shop drawing reviews, inspections, field conditions coordination, etc.
- FPL Hard Costs
  - Impacts & associated unknowns
  - Extensive coordination and associated redesign for entire site
  - Vault redesign & associated impacts after 100%
- 27M tower:
  - Multiple rounds of foundation design: Preliminary analysis (model by us), Precast Supplier First model, Precast supplier revised model (10M and 24M platforms changes).
  - Remobilizing on design and pile capacities with the geotechnical engineer.
  - The north face of the tower lead to intensive detailing rework of the dive tank interface: steps, curb, gutter and tank wall transition.
  - The above points are exacerbated by the precast designer not on board so we had to anticipate structural implication to guide the architect. This would not have been needed with the precaster engaged sooner.
  - Multiple rounds of constructability adjustments of caps and piling: tank sheetpile section increase, increase in pile installation tolerance from sheet pile, increase of driving clearance from south building.
  - 27M Dive Tower – domestic water system pressure analysis/study and selection of buster pump for the Tower; rearrange and include some civil water pipe into plumbing scope.
  - Extended CA services and schedule associated
- Building B:
  - Multiple rounds of foundation design: Foundation permit was needed at very early stage in design, subsequent advancement of architectural design required revisiting of foundation design.
  - Never-ending gyrations between precast decorative walls, EIFIS or stucco.
  - East canopy addition: Custom design curved reinforced concrete structure and related foundation not in original concept.
  - IT room change and above stair modifications.
  - Extended CA services and schedule associated
  - Canopy between Building A and Building B: Foundation changes to suit revised canopy selection.
  - Removal of entry sculpture.
- Existing conditions conflicts and related design adjustments:
  - Existing pile as-builts not matching records. Separate reviews per area following the construction progress: first, dive tank. Second, building B. Third, west deck. Then partial Grandstand and finally competition pool and east deck.
  - Pile shifts and discrete evaluation of aforementioned conflict. Associated RFIs, Foundation plans changes / coordination with special inspector.

#### Other Items:

- Building A (grandstand):
  - Research and alternates to steel and aluminum systems, review and guidance on connections, waterproofing to bleacher systems supplier.
  - MEP revisions from initial bid package concept resulted in redesign.
- Review of construction equipment loading and operations on existing structures:
  - Large crane in existing competition pool and existing dive tank.



- Guidance on east deck partial demo stability and construction equipment loading and operation (analysis, site visits, conf calls, meetings and associated RFIs/submittals).
- Teaching Pool Restroom addition – revised sanitary design options & research for flooding issue
- FWC vs City Turtle requirements research due to City & FWC not knowing jurisdiction and now under specific FWC requirements.
- CA: Multiple reviews of a submittal package:
  - Augercast production pilings and related coordination with geotech engineer.

**Qualifications:**

- The following are not included in the above fee, which may be required, and may be addressed as additional services when/if the need arises:
  - Price reduction alternates and associated design changes/iterations.
  - As-builts
  - Commissioning

Thank you,  
**Milton Kramer PE, LEED GA**  
 Electrical Discipline Lead  
 Transportation Facilities



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**From:** Stephen Williams, Sr. [<mailto:SWilliams@keithteam.com>]  
**Sent:** Thursday, April 9, 2020 3:24 PM  
**To:** Juan Justiniano <[jjustiniano@cartayaandassociates.com](mailto:jjustiniano@cartayaandassociates.com)>  
**Cc:** Jamé Wills <[jwills@keithteam.com](mailto:jwills@keithteam.com)>; Paul Weinberg <[pweinberg@keithteam.com](mailto:pweinberg@keithteam.com)>  
**Subject:** FW: 10210.00 FLAC CAs and Budget

Juan,

As discussed these are the Contract Amendments that we have requested. To date I cannot find any record of having received an executed Contract Amendment for any of these.

Contract Addendums	Task	Start Date	Value	
<del>001</del>	Teaching Pool	12/3/2018	\$ 3,000.00	Issued CO to Cartaya
002	Tree Inventory & Appraisal	1/15/2019	\$ 4,800.00	We rounded up to \$15k and divided between the 27M & North
003	Promenade & Walkway North	1/28/2019	\$ 7,500.00	
004	Building Expansion	4/4/2019	\$ 1,500.00	
005	Walkway Expansion	4/4/2019	\$ 3,000.00	Did not carry costs as unsure what this impact is.
<del>006</del>	Drainage New Dive Tower	10/24/2019	\$ 2,000.00	Issued CO to Cartaya
total			\$ 21,800.00	

As far as Construction Observation we initially had estimate 3 months of CA for the Civil and Landscape construction items in our proposal. It appears the construction schedule has expanded. Depending on the current expected construction schedule we would expect to have additional CA services due to the extended construction time.

Please let me know if you have any questions.

Take care,  
Steve



**Stephen Williams, Sr., PE**  
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**From:** Jamé Wills <[jwills@keithteam.com](mailto:jwills@keithteam.com)>  
**Sent:** Wednesday, April 8, 2020 3:16 PM  
**To:** Stephen Williams, Sr. <[SWilliams@keithteam.com](mailto:SWilliams@keithteam.com)>



**RCO NOTIFICATION:**

**LOCATION:** FLAC

**DATE:** March-12-2020

**REFERENCE:**

**SUMMARY:** adding 27 meter tower

CLASSIFICATION	CRAFTSMAN	HOURS	WAGE RATE	CREW RATE
PM			\$ 75.00	\$ -
PE			\$ 37.50	\$ -
Estimator			\$ 37.50	\$ -
Site Manager			\$ 67.73	\$ -
Superintendent			\$ 48.75	\$ -
Operator			\$ 62.70	\$ -
Leadman			\$ 43.19	\$ -
Journeyman			\$ 36.00	\$ -
Pipe Fitter			\$ 37.50	\$ -
Laborer			\$ 27.30	\$ -
				\$

SUMMARY		
Crew Rate	\$	-
Fringe Benefits	\$	0
Fixed Benefit	\$	0
Material Cost	\$	3,250
Lodging & Per Diem	\$	-
Sales Tax	\$	228
Equipment Rental/Fuel Cost	\$	-
Subcontractor Cost	\$	1,000
OHP (10%) self performed work	\$	<del>386</del> 348
OHP (5%) Sub work	\$	50
<b>NET ADD</b>	\$	<del>4,914</del> 4,876