

Board of Trustees Finance & Facilities Committee Meeting

Tuesday, February 25, 2020 4:00 PM - 5:00 PM

Florida Polytechnic University – Student Development Center 4700 Research Way, Lakeland, FL 33805

Dial In Number: 1-415-655-0001 | Access Code: 649 312 790

Frank Martin, Chair	Henry McCance, Vice Chair	Bob Stork
Dr. Victoria Astley	Rear Admiral Philip Dur	Gary Wendt

AGENDA

I.	Call to Order	Frank Martin, Chair
١١.	Roll Call	Edwina Hall
III.	Public Comment	Frank Martin, Chair
IV.	Approval of the December 10, 2019 Minutes *Action Required*	Frank Martin, Chair
V.	2018-2020 Finance and Facilities Committee Work Plan Review	Frank Martin, Chair
VI.	2020-2021 Budget Development Process Discussion	Frank Martin, Chair
VII.	University Financial Review	Mark Mroczkowski VP & CFO
VIII.	Resolution for Signature Authority on Depository Accounts *Action Required*	Mark Mroczkowski VP & CFO
IX.	Foundation Financial Review	Larry Locke, Director Finance & Development Ops
X.	Review Results of BOG Internal Control and Business Process Assessment	Mark Mroczkowski VP & CFO

- XI. Applied Research Center (ARC) Update
- XII. Approval of Contracts over \$500,000 *Action Required*
- XIII. Review of Contracts over \$200,000
- XIV. Closing Remarks and Adjournment

David Calhoun, AVP Facilities and Safety Services

Mark Mroczkowski VP & CFO

Mark Mroczkowski VP & CFO

Frank Martin, Chair

Florida Polytechnic University Board of Trustees

Board of Trustees Finance & Facilities Committee Meeting

DRAFT MEETING MINUTES

Tuesday, December 10, 2019 4:00 PM – 5:00 PM

Florida Polytechnic University, Student Development Center 4700 Research Way, Lakeland, FL 33805

I. <u>Call to Order</u>

Committee Chair Frank Martin was unable to attend; therefore, Vice-Chair Henry McCance assumed the lead role for the meeting.

Committee Vice-Chair Henry McCance called the Finance & Facilities Committee meeting to order at 3:35 p.m.

II. <u>Roll Call</u>

Winnie Hall called the roll: Committee Vice Chair Henry McCance, Trustee Bob Stork, Trustee Victoria Astley, Trustee Philip Dur, and Trustee Gary Wendt were present (Quorum).

Committee members not present: Trustee Frank Martin

No other Trustees were present.

Staff present: Mr. Mark Mroczkowski, Mrs. Gina Delulio, Mrs. Kathy Bowman, Mrs. Maggie Mariucci, Mr. David Brunell, Mr. David Calhoun, Mrs. Treasa McLean, Mr. John Sprenkle, Mrs. Kris Wharton, and Mrs. Winnie Hall were present.

III. Public Comment

There were no requests received for public comment.

IV. Approval of September 11, 2019 Minutes

Trustee Bob Stork made a motion to approve the Finance and Facilities Committee meeting minutes of September 11, 2019. Trustee Gary Wendt seconded the motion; a vote was taken, and the motion passed unanimously.

V. 2018-2020 Finance and Facilities Committee Work Plan Review

The 2018-2020 Finance and Facilities Work Plan remains unchanged and no discussion occurred.

VI. University and Foundation First Quarter 2019-2020 Financial Review

Mr. Mark Mroczkowski presented the 1st Quarter Financial Review of the University's and the Foundation's financial results for the quarter ended September 30, 2019. The Committee learned that the audit of the Annual Financial Report was currently underway.

Trustee Henry McCance suggested that in the future, items on the quarterly financial review which are semester-based, such as tuition or financial aid, should be represented with one-half reflected in the first quarter and the other half in the third quarter.

Discussion and questions ensued but no further action was taken.

VII. University Annual Financial Report for Year-End June 30, 2019

Mr. Mroczkowski shared the full unaudited Annual Financial Report for the year ended June 30, 2019, for the Board's review. He did not discuss this report in its entirety because it was presented at the September 11th Board of Trustees meeting. The full report includes the final pension numbers which accrued and which were estimated at the time of the previous meeting. There was no significant difference between the estimate and the final pension numbers.

Discussion and questions ensued but no further action was taken.

VIII. Approval of Revised Carry Forward Budget for Previously Unbudgeted Costs

Mr. Mroczkowski reviewed the University's amended Capital Outlay Budget to include an additional \$115,403 of Carryforward funds to be used for repairs and improvements. After the amendment, the University retains \$4,024,739 in available Carryforward funds.

Trustee Philip Dur made a motion to approve the revised carry forward budget for previously unbudgeted costs in the amount of \$115,403. Items include replacement of a broken window in the IST building, enhancements to wi-fi coverage in the IST building, and enhancements to the blue light (emergency) poles on campus. Trustee Victoria Astley seconded the motion; a vote was taken, and the motion passed unanimously.

IX. Approval of Revision to Regulation FPU-4.003 Special Fees, Fines, and Charges

Mr. Mroczkowski discussed the revisions to Regulation FPU-4.003. This amendment would update the regulation to remove the reference to 2.3% as the percentage charged. As amended, the convenience fee assessed will be the actual amount imposed by the payment processor and will not be higher than the transaction cost for accepting such payments.

Trustee Gary Wendt made a motion to approve the revised Regulation FPU-4.003 Special Fees, Fines, and Charges. Trustee Philip Dur seconded the motion; a vote was taken, and the motion passed unanimously.

X. Approval of Regulation FPU-1.0033 Unmanned Aircraft Systems (UAS) and Model Aircraft

Mr. Mroczkowski reviewed the details of Regulation FPU-1.0033. This new regulation would govern the use of drones over the campus to ensure safety and risk management. The Regulation would

apply to the University community as well as visitors and the public and would establish a committee to govern UAS use and ensure that users obtain permissions and insurances as needed.

Mr. David Brunell, representing the Office of General Counsel, provided clarification regarding which individuals and specific equipment would be bound by the restrictive parameters of this regulation, if the Board votes to approve it. This instrument has been adapted from the Federal Aviation Administration (FAA) regulations and a subcommittee of the existing University Safety Committee would be responsible for preparing more detailed procedures in the future. Mr. Mroczkowski added this regulation is necessary to ensure safety and regulatory compliance.

Trustee Philip Dur made a motion to approve Regulation FPU-1.0033 Unmanned Aircraft Systems (UAS) and Model Aircraft. Trustee Bob Stork seconded the motion; a vote was taken, and the motion passed with three votes for the motion and 2 votes against the motion.

XI. <u>Review of Contracts Over \$200,000</u>

Mr. Mroczkowski reviewed two new contracts in excess of \$200,000:

- 1. Adobe, Inc.: Adobe Pro and Adobe Sign Software Licenses Renewal
- 2. Campus Logic, LLC: Comprehensive student financial success platform

This item was for informational purposes only. No further action was requested or taken.

XII. Applied Research Center (ARC) Update

David Calhoun, presented the committee with an update on the design, schedule, construction, and budget for the Applied Research Center. Discussion and questions ensued but no further action was taken.

XIII. Approval of Foundation Board Appointments

Kathy Bowman, Vice President of Advancement, presented the two nominees for Foundation Board appointment who will represent the current Florida Poly student body and alumni, Ryan Perez and Travis Hills.

Trustee Gary Wendt made a motion to approve the appointment of Ryan Perez for service to the Florida Polytechnic University Foundation, Board of Directors. Trustee Victoria Astley seconded the motion; a vote was taken, and the motion passed unanimously.

Trustee Gary Wendt made a motion to approve the appointment of Travis Hills for service to the Florida Polytechnic University Foundation, Board of Directors. Trustee Philip Dur seconded the motion; a vote was taken, and the motion passed unanimously.

XIV. Closing Remarks and Adjournment

With no further business to discuss, the meeting adjourned at 4:51 p.m.

Florida Polytechnic University Finance & Facilities Committee Work Plan 2018-2020

September 5 , 2018	December 5. 2018	March 13, 2019	May 21-22, 2019
 University and Foundation Financial Update Contract Review Construction Update 	 University and Foundation Financial Update Contract Review Construction Update 	 Educational Plant Survey University & Foundation Financial Update Contract Review Construction Update 	 2018 Legislative Session Appropriations 2019-2020 Legislative Budget Request (Operating and Fixed Capital Outlay) 2019-2020 University Operating Budget 2019-2020 Foundation Operating Budget University & Foundation Financial Update Contract Review Construction Update
September 11, 2019	December 11, 2019	February, 2020	May, 2020
 University & Foundation Financial Update Contract Review Construction Update 	 University & Foundation Financial Update Contract Review Construction Update 	 University and Foundation Financial Update Contract Review Construction Update 	 2019 Legislative Session Appropriations 2020-2021 Legislative Budget Request (Operating and Fixed Capital Outlay) 2020-2021 University Operating Budget 2020-2021 Foundation Operating Budget University & Foundation Financial Update Contract Review Construction Update
September, 2020	December, 2020		
 University and Foundation Financial Update Contract Review Construction Update 	 University and Foundation Financial Update Contract Review Construction Update 		

AGENDA ITEM: VI.

Florida Polytechnic University Board of Trustees Finance and Facilities Committee February 25, 2020

Subject: 2020-2021 Budget Development Process Discussion

Proposed Committee Action

No action required – Discussion only.

Background Information

Chair Martin will lead a discussion on the budget process.

Supporting Documentation:

1. Budget Development Process Presentation

Prepared by: Frank Martin, Chair



Budget Development Process

Budget Office February 25, 2020



- Budget Process
- Budget Timeline
- Change to Adaptive-Workday



We currently use budget templates, developed in Workday to manage the entire budget process:

- Budget templates are distributed to Cost Center Managers and Vice Presidents.
- Templates are pre-loaded with existing salaries and benefits for filled and open positions, prior expense budget and current YTD expense.
- Cost Center Managers complete their templates with their proposed budget which then route to their Vice Presidents.
- Vice Presidents review and approve templates. If changes are requested the VP sends the template back to the Cost Center Manager for revisions then sent to Budget Office.



In addition:

- The Budget Office manages the process and runs a summary report for Budget Council review and approval.
- Once the plan is approved by Executive Budget Council, it goes to the Board of Trustees (BOT) for approval.
- Once BOT approves the Operating and Capital Outlay Budgets, it is uploaded to the ERP system.



- The Budget Office conducts two general sessions on how to navigate and complete the Workday Budget templates.
- One-on-one training is also available as requested. In addition, the Budget Office follows up with Cost Center Managers to ensure that requests are maintained within budget guidelines.
- The Budget Office requests participation from various Cost Center Managers to implement and test Adaptive Planning.





- Budget Process
- Budget Timeline
- Change to Adaptive-Workday



January – February

- Executive Budget Council approves budget guidelines, budget templates, and budget projections for the upcoming year.
- Budget Office distributes budget guidelines and templates to Vice Presidents.
- Budget Office offers workshops for Cost Center Managers/Administrators.
- Florida Legislature begins budget deliberations.



March-April

- Cost Center Managers prepare budget requests for their corresponding Vice-President's approval.
- Vice-Presidents submit approved budget requests from Cost Center Managers to the Budget Office.
- Internal budget hearings with the Executive Budget Council are held to prioritize budget requests.
- Executive Budget Council makes adjustments to, and approves budgets.
- Florida Legislative session ends and the Appropriation Bill is finalized.



Budget Timeline

May

 Florida Poly all sources budget is presented to the Board of Trustees for approval.

June

- The Governor approves the State budget.
- Florida Poly Budget Office uploads the approved budgets into Workday to open the new Fiscal Year on July 1.



July-August

- University submits Legislative Budget Request to the Board of Governors (BOG).
- Budget Office submits detailed Operating Budgets and position data to the BOG.

September

• BOG approves the University's Operating Budget submission.

October

• Budget Office prepares the Expenditure Analysis file for submission to the BOG.





- Budget Process
- Budget Timeline
- Change to Adaptive-Workday



We are in the process of implementing the new planning Workday software, ADAPTIVE, which is a budget planning and forecasting tool. Some of the benefits of this software will be:

- Reporting and dashboards are in real-time.
- It provides the ability to model various budget scenarios.
- It provides budget and expense data comparisons on a monthly basis.

We are parallel testing Adaptive with the current Workday Planning tool with proposed deployment for FY 2021-22.

Florida Polytechnic University Board of Trustees Finance and Facilities Committee February 25, 2020

Subject: University Financial Review

Proposed Committee Action

No action required – information only.

Background Information

Mark Mroczkowski, Vice President and Chief Financial Officer will provide the Committee with the half-year financial review of the University.

Supporting Documentation:

1. 2019-2020 Half-Year Financial Review for the University

Prepared by: Mark Mroczkowski, Vice President & CFO



2019-2020 2nd Quarter Financial Review

Mark Mroczkowski Vice President and CFO



6 Mo	nths YOY Summar	у	Financial Ratios				
Revenue	\$31,614,126	+16.34%	Metric	University	Benchmark*		
Expenses	\$32,073,086	+7.61%	Primary Reserve Ratio	163.19%	40%		
Net Loss	(\$458,960)	-104.24%	Net Income Ratio	(1.45%)	2-4%		
Assets	\$219,845,284	-3.05%	Return on Net Assets	(4.15%)	3-4%		
Liabilities	\$23,823,245	+6.92%	Viability Ratio	14,008.40%	125-200%		
Net Position	\$196,022,039	-4.14%					

Florida Poly has enjoyed financial growth and has sustainable financial strength with a composite financial index score of 121.25 compared to the benchmark of 10.

*National Association of Colleges & University Business Officers (NACUBO) performance benchmarks





- Introduction
- University Q2 Financial Review
- Summary



University Budget Update (Revenues)

	Approved FY 20 Budget	6 Months Budget 12-31-2019	6 months Actuals 12-31-2019	Budget Variance
<u>Revenues</u>				
Education & General				
General Revenue	37,347,306	18,673,653	18,692,364	0.10%
Lottery	363,360	181,680	181,680	0.00%
Student Tuition	2,054,602	1,027,301	1,237,287	20.44%
Phosphate Research	2,945,111	1,472,556	756,347	-48.64%
Contracts & Grants				
Other US Grants	472,500	236,250	225,417	-4.59%
<u>Auxiliaries</u>				
Sales of Goods/Services	5,019,143	2,509,571	2,613,826	4.15%
Concessions	35,000	17,500	16,813	-3.93%
Local Funds				
Fees	952,803	476,402	487,173	2.26%
Investment Income	1,277,542	638,771	885,971	38.70%
<u>Transfers</u>				
FIPR to General Revenue	200,421	100,211	100,211	0.00%
Financial Aid	10,000,000	5,000,000	6,329,930	26.60%
Other Unrestricted	250,000	125,000	87,107	-30.31%
Total Revenues	60,917,788	30,458,895	31,614,126	3.79%

FLORIDAPOLY University Budget Update (cont.) (Operating Expenditures)

	Approved	6 Months	6 months	
	FY 20	Budget	Actuals	Budget
_	Budget	12-31-2019	12-31-2019	Variance
Operating Expenditures				
Education & General				
Salaries & Benefits	29,488,731	14,744,365	11,830,398	-19.76%
Other Personal Services	1,772,565	886,282	964,590	8.84%
Expenses	8,654,393	4,327,196	3,901,036	-9.85%
Financial Aid	50,000	25,000	25,000	0.00%
Phosphate Research	2,945,111	1,322,556	1,270,166	-3.96%
Contracts & Grants				
Expenses	472,500	236,250	145,032	-38.61%
<u>Auxiliaries</u>				
Salaries & Benefits	998,752	449,376	426,477	-5.10%
Other Personal Services	40,800	20,400	20,853	2.22%
Expenses	3,953,945	1,801,973	1,626,582	-9.73%
Local Funds				
Salaries & Benefits	251,119	95,560	93,582	-2.07%
Other Personal Services	60,000	28,000	26,202	-6.42%
Expenses	702,330	351,165	273,580	-22.09%
<u>Transfers</u>				
Financial Aid	10,000,000	5,000,000	5,132,560	2.65%
Other Unrestricted	250,000	125,000	123,110	-1.51%
Total Operating Expenditures	59,640,246	29,413,123	25,859,168	-12.08%

University Budget Update (cont.) (Non-Operating Expenditures and Total)

	Approved FY 20 Budget	6 Months Budget 12-31-2019	6 months Actuals 12-31-2019	Budget Variance
Non-Operating Expenditures				
Fixed Capital Outlay (see note)	22,628,683	5,100,000	4,691,102	-8.02%
Carry Forward	10,010,778	1,920,301	1,522,816	-20.70%
Total Non-Operating Expenditures	32,639,461	7,020,301	6,213,918	-11.49%
Total Operating and Non-Operating	92,279,707	46,139,854	32,073,086	-10.36%
Net Loss			(458,960)	

Note: Fixed Capital Outlay includes repair expenses in the amount of \$1.9 million and depreciation expense of \$2.8 million.



University Budget Update (Revenues Analysis)

Variances in the University Budget to Actual Revenues are primarily related to:

- E&G Tuition is over budget \$209 thousand due to early receipt of Spring tuition payments.
- E&G Phosphate Research is under budget \$716 thousand due to the decrease in severance tax receipts.
- Local Funds Investment Income is over budget \$247 thousand due to higher than expected yields on the University's investment portfolio.
- Transfers Financial Aid is over budget \$1.3 million due to Florida Bright Futures funding the Spring payment in advance.



University Budget Update (Expenditure Analysis)

Variances in the University Budget to Actual Expenditures are primarily related to:

- E&G Salaries & Benefits (including OPS) is under budget \$2.8 million due to faculty vacancies.
- Contracts and Grants is under budget \$91 thousand due to lower than anticipated progress on a grant.
- Local Funds Expenses is under budget \$77 thousand due to a lack of activity related to the student Athletic Fees.
- Transfers Financial Aid is over budget \$133 thousand due to increased students participation in Federal financial aid programs Florida Bright Futures.



Variances in the University Budget to Actual Expenditures are primarily related to:

- Non-Operating Fixed Capital Outlay is under budget \$409 thousand due to the timing of expenditures related to the pergola replacement at IST.
- Non-Operating Carry Forward is under budget \$397 thousand due to the timing of the expenditures related to OPS salaries and miscellaneous repair projects.

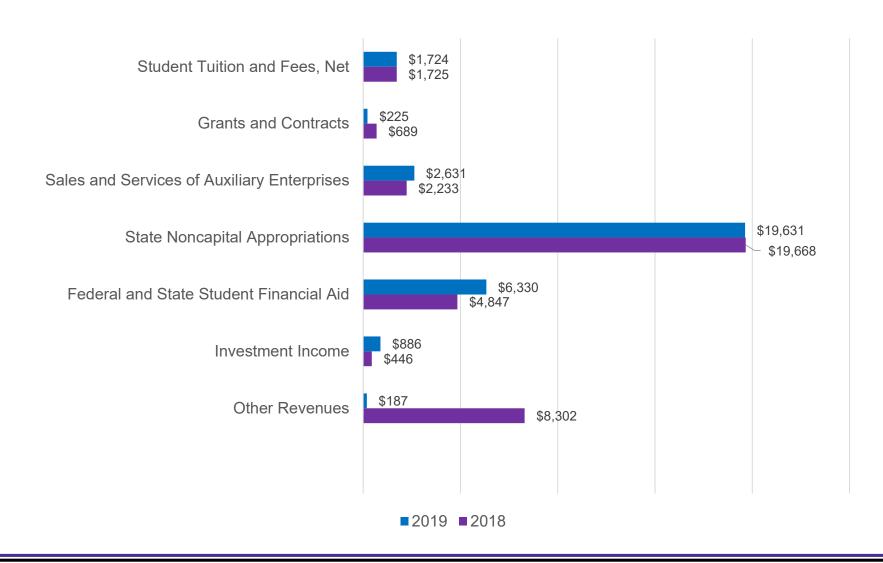


University Revenues (in thousands)

For the Six Months Ended December 31,	2019	2018	YOY Change
Student Tuition and Fees, Net	\$ 1,724	\$ 1,725	-0.06%
Grants and Contracts	225	689	-67.34%
Sales and Services of Auxiliary Enterprises	2,631	2,233	17.82%
State Non-capital Appropriations	19,631	19,668	-0.19%
Federal and State Student Financial Aid	6,330	4,847	30.60%
Investment Income	886	446	98.65%
Other	187	8,302	-97.75%
Total Revenues	\$ 31,614	\$ 37,917	-16.62%



University Revenues (in thousands)





Financial Aid Analysis (Fall 2019)

Student Financial Aid Sources	Tota	I Financial Aid	Univers	sity Revenue	Refund	ed to Students
Student Payments	\$	734,959	\$	529,141	\$	205,818
Florida Prepaid		364,449		59,907		304,542
Bright Futures		1,260,882		635,876		625,006
Federal grants and loans		1,832,942		199,727		1,633,215
Foundation contributions		139,122		70,552		68,570
Third party aid to students		233,343		103,837		129,506
Institutional		131,375		125,419		5,956
Tuition and Fee Waivers		1,700,388		1,700,388		-
Total Aid all Sources		6,397,461		3,424,848		2,972,613
Less: Tuition and Fee Waivers		(1,700,388)		(1,700,388)		-
Funded Fiancial Aid	\$	4,697,073	\$	1,724,460	\$	2,972,613

University Aid Retained As:	University Revenue
Tuition	\$ 1,237,287
Fees	418,756
Auxiliary Operations	59,987
Misc Fees	8,430
Total	\$ 1,724,460



University Revenues (Analysis)

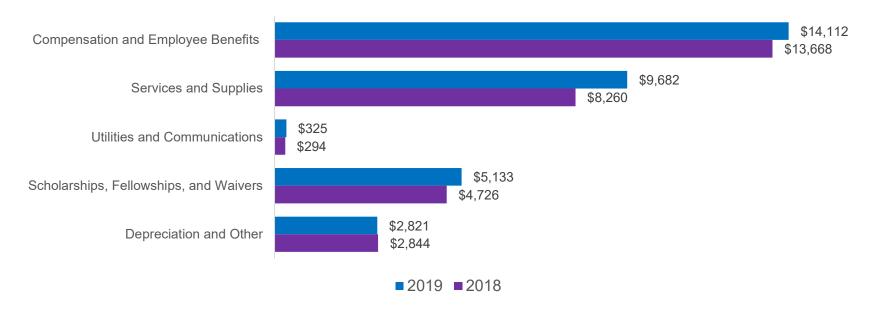
Changes in Revenues for the second quarter are primarily related to:

- Grants and Contracts decreased \$464 thousand due to the Department of Transportation grant ending in FY 2019.
- Sales and Services of Auxiliary Enterprises increased \$398 thousand due to increases in student meal plan sales.
- Students are increasingly taking advantage of Federal and State financial aid resulting in a \$1.4 million increase in Bright Futures Scholarships and Federal Student Loans. \$1.2 million of the increase is a result of Bright Futures funding the Spring semester in advance.
- Investment income increased \$440 thousand due to higher yields on the University's investment portfolio.
- Other revenues decreased \$8.1 million because of the one-time insurance reimbursement received last year for the pergola damage to IST.



University Expenses (in thousands)

	 2019	_	2018	YOY Change
Compensation and Employee Benefits	\$ 14,112	\$	13,668	3.25%
Services and Supplies	9,682		8,260	17.22%
Utilities and Communications	325		294	10.54%
Scholarships, Fellowships, and Waivers	5,133		4,726	8.61%
Depreciation and Other	 2,821		2,844	-0.81%
Total Expenses	\$ 32,073	\$	29,792	7.66%





University Expenses (Analysis)

Changes in Expenses for the second quarter are primarily related to:

- Compensation and benefits increased \$444 thousand. Approximately \$355 thousand related to increased hiring and approximately \$75 thousand due to one-time performance payouts for faculty in accordance with the Collective Bargaining Agreement.
- Services and supplies increased \$1.4 million for IST Pergola repairs.
- Scholarships, fellowships and waivers increased \$407 thousand due to increases in student loans and Florida Bright Futures recipients.

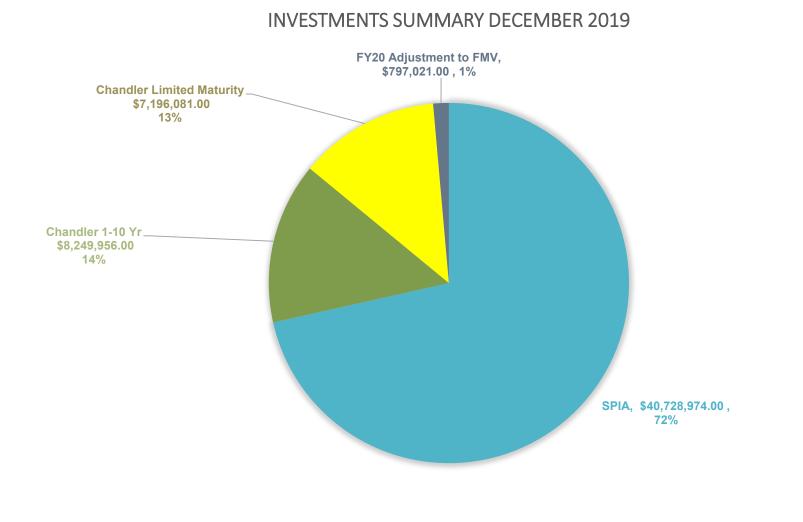


University Q1 Balance Sheet

Florida Polytechnic University Condensed Statement of Net Position As of December 31, 2019							
		12/31/2019		12/31/2018		\$ Change	% Change
Assets:							
Cash and Investments	\$	57,531,348	\$	55,643,619	\$	1,887,729	3.39%
Receivables		8,083,169		13,630,213		(5,547,044)	-40.70%
Total Current Assets		65,614,517		69,273,832		(3,659,315)	-5.28%
Property, Plant and Equipment (Net)		144,043,390		147,111,276		(3,067,886)	-2.09%
Other Non Current Assets		10,187,377		10,383,845		(196,468)	-1.89%
Total Non Current Assets		154,230,767		157,495,121		(3,264,354)	-2.07%
Total Assets	\$	219,845,284	\$	226,768,953	\$	(6,923,669)	-3.05%
Liabilities:							
Current Liabilities	\$	1,813,721	\$	2,146,067	\$	(332,346)	-15.49%
Non Current Liabilities		22,009,524		20,135,111		1,874,413	9.31%
Total Liabilities		23,823,245		22,281,178		1,542,067	6.92%
Net Position		196,022,039		204,487,775		(8,465,736)	-4.14%
Total Liabilities and Net Position	\$	219,845,284	\$	226,768,953	\$	(6,923,669)	-3.05%



Investment Analysis





December 31, 2019

Investment	Market Value	Average Rating	Maturity	Average Return YTD
SPIA	\$ 41,372,492	AA	2.82 years	3.22%
Chandler Limited Maturity	\$ 7,241,016	AA	1.79 years	2.25%
Chandler 1-10 Year	\$ 8,358,523	AA-	4.37 years	3.22%
Total	\$ 56,972,031			



Investment Analysis (cont.)

	Inve	stment Market	Inco	ome Earned			ι	Inrealized	Tot	al Return on
Account		Balance		YTD	Y	TD Fees	(Gain/Loss		nvestment
SPIA	\$	41,372,492	\$	721,325	\$	25,632	\$	643,518	\$	1,339,211
Chandler Limited Maturity	\$	7,241,016	\$	64,016	\$	1,819	\$	44,935	\$	107,132
Chandler 1-10 Year	\$	8,358,523	\$	78,609	\$	1,847	\$	108,568	\$	185,330
Totals	\$	56,972,031	\$	863,950	\$	29,298	\$	797,021	\$	1,631,673

Investment E	Balance b	y Fund	
Fund		Balance	% of Total
101 - E&G	\$	10,202,043	17.91%
102 - FIPR	\$	7,154,380	12.56%
104 - Auxiliaries	\$	651,517	1.14%
106 - Other Unrestricted	\$	2,187,880	3.84%
107 - E&G Carryforward	\$	11,810,721	20.73%
503 - Capital Carryforward	\$	24,965,490	43.82%
	\$	56,972,031	100.00%







Changes in the Condensed Statement of Net Position for the first quarter are primarily related to:

- Cash and Investments increased \$1.8 million primarily due to receiving Bright Futures funding for Spring semester in advance.
- Receivables consist of amounts due from students \$125 thousand, less allowance for doubtful accounts (\$48 thousand), grants and other \$309 thousand, interest and dividends receivable \$172 thousand and, amounts due from the State for PECO funds \$7.5 million. Overall, the total receivable balance decreased \$5.5 million primarily due to the release of the Foundation's scholarship pledge.
- Current Liabilities decreased \$332 thousand due to the repayment of installment purchases and capital leases.
- Non current liabilities increased 1.9 million due to the accrued amount of estimated future pension obligations.





- Introduction
- University Q2 Financial Review
- Summary



Summary

- University's composite financial index remains strong at 121.25.
 - The primary reserve ratio is a strong 163.19% against a benchmark of 40% due to the University's strong net position.
 - The viability ration is 14,008.40% compared to the benchmark of 125-200% due the University's lack of debt.
- The University had a half year net loss of \$489 thousand.
 - Net loss is expected and primarily related to expenses for the pergola repairs at IST. These expenses were offset by insurance recovery that was recorded in the prior fiscal year.
 - > Net loss includes depreciation expense of \$2.8 million.



Summary (cont.)

- Responsibilities moved to Director, Finance & Development Operations.
 - Monitor the Foundation general ledger and maintain it's integrity. Prepare and present Foundation and University Board reports.
 - Record Foundation investment transactions and prepare reconciliations.
 - Work with University Finance and Accounting to troubleshoot any integrations from 3rd party software into Workday.
- Responsibilities remaining with University Finance and Accounting.
 - Entering and processing gift transactions into 3rd party software for integration into Workday.
 - Process accounts payable transactions for payment.
 - Perform bank reconciliations.

Florida Polytechnic University Finance and Facilities Committee Board of Trustees February 25, 2020

Subject: Resolution for Signature Authority on Depository Accounts

Proposed Committee Action

Recommend approval of the Resolution for Signature Authority on Depository Accounts to the Board of Trustees.

Background Information

Section 1011.42, Florida Statutes requires signature authority be established for University depository accounts. Due to a change in staff, the University proposes removing Derek Horton, the prior University Controller who is no longer a University employee and adding Penelope Farley, the new University Controller. The remaining signatories remain unchanged.

Supporting Documentation:

- Resolution 2020-001
- Attachment A

Prepared by: Mark Mroczkowski, Vice President and CFO

THE FLORIDA POLYTECHNIC UNIVERSITY BOARD OF TRUSTEES

Board of Trustees Resolution 2020-001

SUBJECT: Signature Authority on Depository Accounts

The Florida Polytechnic University Board of Trustees hereby adopts the following Resolution:

The Florida Polytechnic University Board of Trustees hereby resolves to establish signature authority on University depository accounts in accordance with section 1011.42, Florida Statutes:

WHEREAS, the University desires to update the authorized signatories for checks, payments and transfers of funds respecting the designated depository for deposit of funds for the University pursuant to this Resolution;

NOW THEREFORE, BE IT RESOLVED, that pursuant to section 1011.42(7), Florida Statutes, which requires that the Board "specifically designate and spread upon the minutes of the board the legal name and position title of any university employee authorized to sign checks to pay legal obligations of the university":

The University employees listed on Attachment A attached hereto are each authorized, on behalf of the University, in connection with the depository account(s) specified for the relevant employee, to:

- 1. sign checks and make payments of legal obligations of the University from such accounts, and
- 2. to transfer funds to, within or between, depositories for investment or payment of expenditures of the University, including signing related documentation.

Each of the designated employee's authority will automatically terminate when the employee is no longer employed by the University in the specified position or when such authority is terminated by the Trustees or by the President of the University or his designee with notice to the Trustees, whichever is sooner. The Vice President and Chief Financial Officer in consultation with the internal auditor shall approve internal controls for withdrawals and transfers of funds.

The individuals designated for removal of signatory authority on Attachment A are removed as authorized signatories for the Wells Fargo N.A effective February 24, 2020.

Resolution 2016-001 Signature Authority on Deposit Accounts is rescinded; to the extent this Resolution conflicts with any other prior resolutions, the terms of this Resolution control.

Resolution adopted by the Florida Polytechnic University Board of Trustees on February 26, 2020.

Chair's signature: _

Don Wilson, Chair

Attachment A

To Florida Polytechnic University Board of Trustees Resolution Resolution 2020-001

- (1) Depository:
 - Wells Fargo Bank, N.A.
- (2) Signature Authority:
 - Wells Fargo Bank, N.A.
 - o All Accounts
 - Randy K. Avent, President
 - Mark Mroczkowski, Vice President and Chief Financial Officer
 - Penelope Farley, University Controller
- (3) Remove Signature Authority
 - Wells Fargo Bank, N.A.
 - o All Accounts
 - Derek Horton, University Controller

AGENDA ITEM: IX.

Florida Polytechnic University Board of Trustees Finance and Facilities Committee February 25, 2020

Subject: Foundation Financial Review

Proposed Committee Action

No action required – information only.

Background Information

Larry Locke, Director of Finance & Development Operations, University Advancement, will provide the Committee with a financial review of the Foundation's second quarter and the 2019 Annual Fund Update.

Supporting Documentation:

- 1. Foundation 2nd Quarter Financial Review
- 2. Foundation Fundraising Overview

Prepared by: Larry Locke, Director, Finance and Development Operations, University Advancement



Foundation Financial Review

Larry Locke, Director, Finance & Development Operations February 25, 2020



Foundation Revenue 2nd Quarter

FOUNDATION FY20 BUDGET TO ACTUALS											
F	FY20 Actuals - through December 31, 2019										
	<u>110</u>	<u>1-Endowment</u> <u>Fund</u>	<u>1102</u>	<u>2 - Unrestricted</u> <u>Fund</u>	<u>19(</u>	01 Investment Fund		04/1105 - Temp. estricted Fund	<u>Cor</u>	<u>mbined Fund</u> <u>Totals</u>	FY20 Budget
Revenue											
Donations & Other operating revenue	\$	193,478.00	\$	33,470.00	\$	-	\$	96,714.00	\$	323,662.00	\$ 1,283,111.00
Interest & Realized Gain or Loss on Investments	\$	-	\$	19,358.00	\$	-	\$	76,478.00	\$	95,836.00	\$ 354,296.00
Unrealized Gain on Investments	\$	-	\$	-	\$	273,328.00	\$	-	\$	-	\$-
In-Kind Salaries	\$	-	\$	-	\$	-	\$	-	\$	-	\$-
Net Assets Released from Restrictions	\$	-	\$	-	\$	-	\$	-	\$	-	\$ <u>-</u>
Total Revenu	e <u>\$</u>	193,478.00	\$	52,828.00	\$	273,328.00	\$	173,192.00	\$	419,498.00	<u>\$ 1,637,407.00</u>

Foundation Expenses 2nd Quarter

FLORIDAPOLY

Expenses	End	<u>I101-</u> owment ^E und	<u>U</u>	<u>1102 -</u> nrestricted <u>Fund</u>	<u>I</u>	<u>1901</u> nvestment Fund	_	<u>104/1105 -</u> <u>Temp.</u> tricted Fund	-	Combined und Totals	Ē	Y20 Budget
Operational Expenses												
Expenses : Services (non-detailed spend category)			\$	109,927.30					\$	109,927.30	Ś	775,920.00
Expenses : Consulting Services			\$	72,000.00					\$	72,000.00	\$	12,150.00
Expenses : Contracted Services			\$	15,746.92					\$	15,746.92	\$	12,850.00
Expenses : Bank Charges & Custodial Fees			\$	-					\$	-	\$	-
Expenses : Other Services-Non Employee			\$	-					\$	-	\$	-
Expenses : Office Supplies-General			\$	554.90					\$	554.90	\$	6,050.00
Expenses : Community Engagement & Sponsorships			\$	3,285.00					\$	3,285.00	\$	-
Expenses : Misc Operating Expenses			\$	126.40					\$	126.40	\$	8,080.00
Expenses : Software			\$	-							\$	-
Expenses : Uniforms			\$	-					\$	_	\$	-
Expenses : Memberships, Licenses & Dues			\$	89.95					\$	89.95	\$	7,700.00
Expenses : Rentals - Equipment			\$	40.00					\$	40.00	\$	4,500.00
Expenses : Rentals - Other			\$	-					\$	-	\$	-
Expenses : Printing Reproduction - Other			\$	5,199.65					\$	5,199.65	\$	10,500.00
Expenses : Postage/Courier Service			\$	2,470.97					\$	2,470.97	\$	10,250.00
Expenses : Insurance			\$	-					\$	-	\$	-
Expenses : Awards & Commendations			\$	-					\$	-	\$	-
Expenses : Food & Beverages Human Consumption			\$	2,971.49					\$	2,971.49	\$	-
Expenses : Entertainment Expense			\$	1,595.00					\$	1,595.00	\$	9,500.00
Expenses : Meeting/Program Expenses			\$	-					\$	-	\$	-
Expenses : In-Kind Salaries			\$	-					\$	-	\$	-
Expenses : Janitorial Services			\$	-					\$	-	\$	-
Expenses : Lecturers			\$	-					\$	-	\$	-
Expenses : Advertising & Marketing			\$	47.98					\$	47.98	\$	24,500.00
Expenses : In-state/out of state travel			\$	3,380.44					\$	3,380.44	\$	31,000.00
Total Operational Expenses:	\$	-	\$	217,436.00	\$	-			\$	217,436.00	\$	913,000.00
Scholarship/Salary Expense	•		•				•	70.040.44	•		•	704 407 55
Expenses : Component Unit Transfer to FPU	\$	-	\$	-	\$	-	\$	70,912.11	Ş	70,912.11	Ş	724,407.00
Total Expenses:	\$	-	\$	217,436.00	\$	-	\$	70,912.11	\$	288,348.11	\$	1,637,407.00
									\$	-		
Net Profit:	\$ 1	93,478.00	\$	(164,608.00)	\$	273,328.00	\$	102,279.89	\$	131,149.89	\$	-



Foundation Investments 2nd Quarter

		TIAA-CI	REF II	NVESTMENT S	SUM	MARY				
	Avera	age Investment	Т	otal Income Earned		Fees	Un	realized Gain or Loss	tal Return on Investment	Net Annualized ROR
FY18 (start July 17, 2017)	\$	6,613,760.50	\$	217,177.32	\$	28,601.18	\$	89,396.15	\$ 277,972.29	4.21469
FY19	\$	5,759,376.85	\$	303,249.17	\$	28,754.12	\$	24,677.48	\$ 299,172.53	5.80329
FY20 (through Qrt 1 and Qrt 2)	\$	6,103,971.35	\$	106,017.27	\$	15,238.12	\$	273,327.69	\$ 644,262.09	11.81709



Foundation Cash Summary 2nd Quarter

	(SH SUMMARY	
1901 - Investment Fund balance Dec. 2019		Cash in Investment	
* Book value	\$ 6,128,894.22	1101 - Endowment Fund \$	5 1,615,815.64
* Accrued interest	\$ 8,227.57	1103 - Facility Fund \$	534,404.82
Total Book Value	\$ 6,137,121.79	1104 - Scholarship Fund \$	513,167.98
* Unrealized gain or loss	\$ 273,372.69	1105 - Restricted Donation * \$	2,935,844.72
Total TIAA Cref Market Value - Dec. 31, 2019	\$ 6,410,449.48	1106 - Restricted Interest \$	42,398.46
		1102 - Unrestricted/Oper. Fund \$	6 495,490.17
		Total Cash in Investment \$	6,137,121.79
		Adj. Wells Fargo Oper. Fund Check Bal. Dec. 2019:	\$724,387.64
		Total FOUNDATION Cash Balance Dec. 31, 2019: 💲	6,861,509.43
		* \$2,750,000.00 - Health and Infomatics restricted money	



Foundation Financial Summary of Findings

- Focus #1: Need for a focused effort from the Foundation on raising funds for the Operational budget
- Focus #2: Examine Policy and Procedures of the Foundation to ensure continuity, conformity, and uniformity with each other and with gift agreements.
- Focus #3: Re-forge Health and Informatics agreement with anonymous donor
- Focus #4: Restructure budget to better align with true revenue and expenses.
- Focus #5: Revisit investment strategy

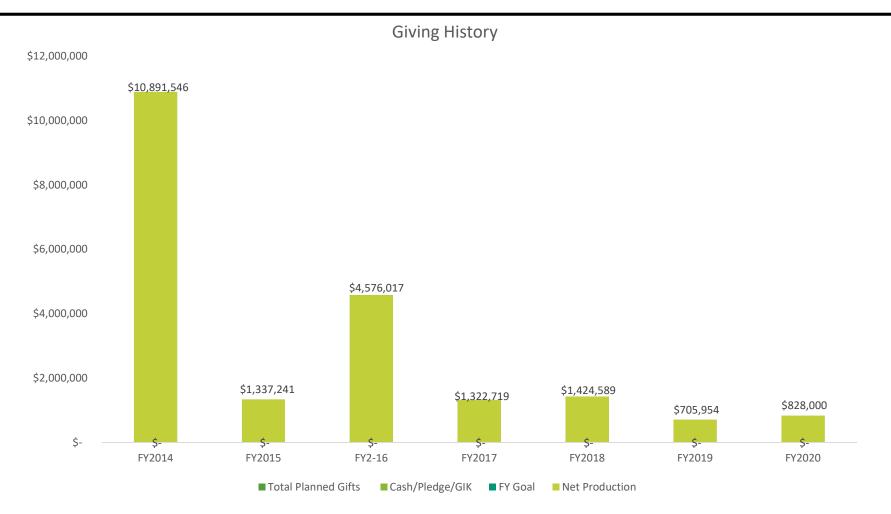


Advancement

Kathy Bowman, CEO Florida Poly Foundation February 25, 2019



Foundation Giving History





2019 Annual Fund Update

Solicitations

• Fuel the Phoenix- Faculty/Staff

- 1. Email Campaign October 28 to November 11 - one per week
- 2. President Letter mailed November 18
- End of calendar year- all community last three weeks
- Senior class gift- Graduating Seniors
- Benches and Bricks Parents

Results

Total annual funds raised
 \$50,667.91

Faculty and Staff\$27,465.56Private Donors\$19,837.83Graduating Seniors\$2,043.84Parents\$1,320.57

Total Expense of solicitations \$6,456.64



Florida Poly Alumni Report

2018/2019 Report

- Added 111 winter graduates
 - 40/111 or 36%
- Added 201 summer graduates
 - 97/201 or 48.2%
- Accomplished 137/312 or 43.9% senior class gift participation rate
- Approved the formal creation and staffed the Alumni Advisory Board
- Published the first alumni newsletter
- Published 5 alumni feature stories
- Provided an opportunity for alumni to volunteer
- Provided one opportunity for an alumni Social

2019/2020 Outlook

- Added 79 winter graduates
- 642 total alumni as of January, 2020
- Alumni Advisory Board are planning a spring, summer and winter Event
- Rolling out an official alumni association & list of benefits
- Updating the alumni website
- Continued alumni feature stories
- Sending out our first alumni survey this summer

AGENDA ITEM: X.

Florida Polytechnic University Board of Trustees Finance and Facilities Committee February 25, 2020

Subject: Results of the BOG Internal Control and Business Process Assessment performed by Crowe, LLP.

Proposed Committee Action

No action required – information only.

Background Information

The Board of Governors (the "Board" or "BOG") of the Florida State University System (SUS) engaged Crowe LLP to perform a system-wide "Internal Management and Accounting Control and Business Process Assessment." The purpose of this assessment was to evaluate the existing internal controls and review business processes to identify any areas of risk for the SUS.

Crowe focused the scope of their assessment on financial and operational risks, and regulatory compliance risks among the twelve universities within the SUS.

Supporting Documentation:

- 1. Florida SUS Summary
- 2. FPU Final Report

Prepared by: Mark Mroczkowski, Vice President & CFO

Crowe

Smart decisions. Lasting value.™

Florida Board of Governors State University System

Summary Report Internal Control and Business Process Assessment

December 2019

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I.	Executive Summary	. 1
II.	Assessment Overview	. 3
III.	Procedures Performed	. 5
IV.	Observations and Themes	. 6
V.	CONCLUSION	10

Florida Board of Governors State University System Internal Control and Business Process Assessment Summary Report December 2019

I. Executive Summary

The Board of Governors (the "Board" or "BOG") of the Florida State University System ("SUS") engaged Crowe LLP ("Crowe") to perform a system-wide "Internal Control and Business Process Assessment". The objective of this assessment was to evaluate the existing internal controls and review business processes to identify areas of risk for the SUS and to provide recommendations to enhance internal control over the system. We performed these consulting services in accordance with the Standards for Consulting Services established by the American Institute of Certified Public Accountants. These services do not constitute an audit, review, or examination in accordance with standards established by the American Institute of Certified Public Accountants, and therefore, Crowe does not express an opinion on the accuracy or efficacy of the material reviewed during the performance of these services.

The scope of the assessment was business process risks among the twelve universities within the SUS.

We have presented a summary of the overall results of our assessments of the twelve universities within the SUS in this report. We used our risk rating methodology to evaluate and score business process risks grouped into twelve categories. Our conclusions were based on the level of residual risk and any control gaps or weaknesses noted during our assessment. Residual risk refers to the level of risk after considering the internal controls and other activities implemented to mitigate that risk. An in-depth discussion of our approach and rating methodology can be found in the *Assessment Overview* section of this report.

Conclusion

Based on our procedures performed, we noted no risk categories with a high level of residual risk, or significant control gaps or weaknesses in any of the twelve universities' control design structures.

We found opportunities to strengthen controls at 11 of the 12 universities (we noted no observations for the University of South Florida ("USF")). We have highlighted these observations as specific opportunities to improve controls or further mitigate risks. The risk rating for each observation is indicative of the risk to university objectives posed by a specific gap in internal controls. This means that an observation is focused on a specific issue and not on an entire function or entity. Conversely, we also assigned ratings to entire risk categories (e.g. Accounts Payable, Procurement, Information Technology, etc.). These ratings represent the average score of all individual risks within that category. Additional information on these observations, our recommendations, and university management responses can be found in each university report.

We also noted several observations and "themes" which were common throughout the SUS, and we have formed recommendations to address these areas for the BOG's consideration. The themes that were consistent throughout the SUS are summarized below.

1. Each university carries a risk that management override of controls and/or collusion to bypass controls may adversely impact universities' compliance with existing rules and regulations as well as operating objectives. In our experience, this risk is difficult to address solely through the implementation of controls. Alternatively, an organization's culture, values, and its focus on ethics, compliance, and risk management tend to be a more effective and holistic approach to addressing this threat.

We noted that the BOG and each of the universities has implemented clear mission and values statements and has focused on ethics and compliance as a key function of senior management (e.g. the establishment of the Compliance and Ethics Officer position). We also believe that the SUS could benefit from establishing an enterprise risk management framework and program which would be embedded within the BOG and each university in order to strengthen risk management practices and internal controls.

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- 2. The universities could benefit from enhanced information security controls. Information security is becoming increasingly critical function, with new cyber risks and threats emerging that can impact the universities financially, reputationally and strategically.
- 3. The universities could benefit from strengthening their third-party risk management practices, including vendor setup and contract management roles and responsibilities. Strong monitoring and oversight activities are especially important for vendors who have been granted access to sensitive or personally identifiable information.
- 4. The universities could benefit from additional guidance and clarification on how to interpret the active BOG regulations. It became apparent in our discussions with various members of university management and trustees, that they sought additional clarity, especially those regulations that pertained to the use of Educational and General (E&G) funds, since the regulations were being interpreted in different ways.

We have provided additional information on these key observations and recommendations for the SUS in the *Conclusion* section of this report. A common thread, or connection among these themes is effective communication and the exchange of information. We believe that with an increased focus on this area, as outlined in this report, the SUS will be able to leverage significant enhancements to its risk management practices and system of internal controls.

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Florida Board of Governors State University System Internal Control and Business Process Assessment Summary Report December 2019

II. Assessment Overview

The objective and scope of this assessment, to evaluate existing controls and business processes to identify areas of risk for the SUS, covered a broad range of university functions and corresponding risk factors. In order to manage the scope more effectively we identified inherent risk factors across these functional areas. Based on our experience and industry knowledge, we identified sixty-five risk statements that represent relevant risks to the business process objectives within our scope. We have listed the twelve functional areas (i.e. risk categories) covered within our risk assessment as follows:

- Accounts Payable
- Budgeting
- Capital Asset Management
- Cash Management
- Financial Reporting
- Governance
- Grant Management
- Information Technology
- Investment Management
- Payroll
- Procurement
- Revenue

As part of our assessment, we obtained an understanding of BOG regulations, university policies, procedures, processes and business requirements. In addition, we sent surveys and conducted interviews with various members of universities management. Based on this information, we developed risk and control assessments for each university. A summary of our ratings for each functional risk area is included in the *Observations and Themes* section of this report.

The risk assessment methodology used during this assessment was designed to maintain consistency and comparability across the twelve, distinct universities within the SUS. Our approach included an assessment of inherent risks, control design effectiveness, and residual risks. An explanation of these components is included in the paragraphs below.

Florida Board of Governors State University System Internal Control and Business Process Assessment Summary Report December 2019

Inherent Risk Assessment

We developed an inherent risk assessment for each university in the SUS. The inherent risk assessments consisted of a list of risk factors which, based on our research and experience, are relevant, impactful, and likely to occur in a university environment. We rated some inherent risks differently across universities due to environmental or organizational variables (e.g. research-based universities, student enrollment, campus location(s), age of infrastructure, student housing, etc.). At this point in the assessment we did not yet consider the specific risk management and controls that each university had in place to mitigate these risks. It was designed to provide a baseline upon which to measure control effectiveness at the university level.

Risk Rating Scale



We established a risk rating methodology to assign a score to each risk factor in the assessment as illustrated above. Our risk rating methodology considered two criteria, "Impact" and "Likelihood". The "Risk Rating" represents the average of those two scores. The impact criterion addressed the effect on financial, operational, or compliance objectives if the risk factor were to occur. The likelihood criterion addressed the probability that the risk would occur in the current environment. Our scores were based on a five-point rating scale with one (1) representing the lowest, and five (5) representing the highest risk score. We labeled the risk rating in the same manner as the impact criterion for the purpose of simplicity and consistency.

Control Effectiveness Ratings

We also rated the effectiveness of controls according to the three criteria below. The percentage assigned to each rating represents the reduction in perceived levels of risk and was used to calculate the residual risk score.

- No Observations Noted (30% reduction to the inherent risk rating),
- Needs Improvement (15% reduction to the inherent risk rating), or
- Inadequate (0%, no reduction to the inherent risk rating)

We based the control effectiveness ratings on the results of our research, discussions with management, and the supporting documentation they provided to help us analyze each university's control structure.

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Residual Risk Assessment

We assigned a control effectiveness rating to each control to arrive at a residual risk rating in a consistent manner. The residual risk assessment was intended to provide an overview of the university's risk management and control effectiveness. We recognized that each control and its related risk had unique components that would not be fully represented by the control effectiveness or residual risk rating. Therefore, we developed an observation and recommendation for controls rated as "Needs Improvement" or "Inadequate" in order to provide additional insight into that specific matter.

III. Procedures Performed

A summary of the procedures we completed during our assessment of each university have been summarized in the table below. Please note that internal controls are designed to provide reasonable, but not absolute, assurance that errors and irregularities will not occur, and that operations are performed in accordance with management's intentions. There are inherent limitations that should be recognized in considering the potential effectiveness of any system of internal controls. In the performance of most control procedures, errors can result from misunderstanding of instructions, mistakes in judgment, carelessness, or other factors. Internal control procedures can be circumvented intentionally by management with respect to the execution and recording of transactions, or with respect to the estimates and judgments required in the processing of data. Controls may become ineffective due to newly identified business or technology exposures. Further, the projection of any evaluation of internal control to future periods is subject to the risk that the procedures may become inadequate because of changes in conditions, and that the degree of compliance with procedures may deteriorate.

Su	Immary of Procedures
1.	We reviewed BOG regulations, university policies, procedures, processes and business requirements.
2.	We prepared a risk assessment, which includes risks arising from our review of the documents referenced in procedure number 1, as well as our experience in common risks within higher education, specific to financial and operational issues.
3.	We analyzed risk/control questionnaires completed by university management and identified key controls in place to manage the risks identified above.
4.	We conducted interviews onsite with university management for insight into risk management and control perspectives and activities.
5.	We evaluated each university's risk management and control structure based on the information gathered above.
6.	We have identified gaps in controls and process improvement opportunities. These have been documented in our university reports as observations and recommendations.
7.	We have confirmed with university management the factual basis for our observations and recommendations. Management's written responses are included for each recommendation in the reports.

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Florida Board of Governors State University System Internal Control and Business Process Assessment Summary Report December 2019

IV. Observations and Themes

Our procedures identified opportunities to strengthen controls at 11 of the 12 universities (i.e. we noted no observations for USF). These opportunities were documented as "observations" and are summarized below. These observations represent areas where we determined that controls were absent or were not adequate to mitigate the associated risk to an acceptable level. While the specific observations and recommendations can be seen in the tables below, we have identified a few themes that were persistent across the universities:

- Information Security Controls. We noted that almost all universities would benefit from an enhanced focus in the Information Technology risk category. While we have addressed specific risks in our observations and recommendations, overall the universities in the SUS could benefit from a more standardized approach to information security risk management.
- Third Party Risk Management Practices. We noted a common theme throughout our assessment that many universities would likely benefit from an enhanced focus in the areas where third-party risk management and data protection intersect. While we have addressed specific risks in our observations and recommendations, we understand that this is an area in which many universities are expanding or will be planning to expand their operational activities. Since the number of providers and types of services in this area is rapidly expanding, consequently, so are the associated risks. For example, student support centers, call centers, and collection agencies are commonly granted access to student account information. Payroll service providers receive and transmit data electronically, and cloud-based storage services are becoming an increasingly efficient and inexpensive way in which to manage large amounts of data, including personally identifiable and sensitive data.
- Interfund Transfers. While this issue was noted in only two universities, there has been increased scrutiny throughout the SUS over the proper use of funds at the university level. Strengthening controls over fund transfers would benefit the SUS by providing an additional level of assurance that the funds are used for their intended purpose. Again, the use of existing technology may enable universities to implement automated workflows to verify that transfers are appropriate and properly approved. System-assigned roles may also be implemented to allow only authorized individuals to make fund transfers. While we noted no specific occurrences of improper use of funds, we have identified this issue as one example of how management override of controls or collusion could adversely impact university operating and compliance objectives and also result in reputational damage.

Our overall recommendation in the *Conclusion* section of this report focuses on enterprise risk management as a way to address the themes noted above, as well as numerous other risks to the SUS. We consider the theme noted below to be a separate issue and our recommendation is focused on a more direct approach to addressing that area of focus.

Clarity of the BOG Regulations regarding the Use of E&G Funds. In speaking with various university Board of Trustees members, as well as with university management, it was stated that this area of the BOG regulations was not completely clear and may be interpreted in various ways. In addition, the SUS may benefit from further clarification and distinction between the role and responsibilities of the BOG and the University Trustees in terms of fiscal governance and oversight duties. We have provided our analysis and recommendations to enhance the clarity of the regulations in the Conclusion section of this report.

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Summary of Observations by Risk Category

The themes noted above were driven and supported by our observations. We noted a total of 21 distinct observations which included two (2) observations from the Financial Reporting risk category, two (2) from Procurement, one (1) from Grant Management, and sixteen (16) from Information Technology.

From the perspective of frequency of occurrence, Information Technology had the most observations and the most occurrences noted across the SUS, comprising 16 of the 21 (76%) distinct observations and 39 of the 45 (87%) occurrences noted. However, the majority of these observations (13 of 16, or 81%) were rated as "Low" risk.

From a risk ratings perspective, the observations pertaining to financial controls (e.g. interfund transfers and grant draw-down procedures) and third-party risk management controls (e.g. vendor oversight and shared services arrangements) were rated as "Moderate" risk, which was the highest ranking given during our assessment. The single observation in the Grant Management risk category was deemed to be Low risk. A summary of our observations by risk category is included in the table below.

Risk Category: Financial Reporting

Observation	Risk Rating	Number of Occurrences SUS-Wide: (3)
Restricted Funds – Interfund Transfers	Moderate	2
Monitoring of Budget-to-Actual Performance	Low	1

Risk Category: Procurement

Observation	Risk Rating	Number of Occurrences SUS-Wide: (2)
Contract Management - Shared Services Agreements	Moderate	1
Policies and Procedures – Vendor Setup and Monitoring	Moderate	1

Risk Category: Grant Management

Observation	Risk Rating	Number of Occurrences SUS-Wide: (1)
Segregation of Duties: Grant Drawdown Process	Moderate	1

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Risk Category: Information Technology

Observation	Risk Rating	Number of Occurrences SUS-Wide (39)
Configuration Management Program	Moderate	3
Business Continuity Management – Incident Classification	Moderate	1
Information Security Governance	Low - Moderate	10
Key Risk and Performance Indicators (2)		
Cybersecurity Risk Management Program (2)		
Policies and Procedures (2)		
"Clean Desk" Policy (4)		
Employee Security Awareness Training	Low	6
Data Protection –	Low	14
Employee Removable Media (6)		
Employee Mobile Device Management Policy (5)		
Sensitive Data-Tracking (1)		
Data Handling and Classification (1)		
Data Center Moisture Detection Systems (1)		
Logging and Monitoring Policy	Low	1
Monitoring of Third-Party Service Providers	Low	1
User Termination and Role Changes	Low	2
IT Operations – Asset Tracking	Low	1

Summary of Observations by University

The table below illustrates the 21 observations by university. It is intended to show how the issues were spread across the various universities within the SUS, and further clarify our summary of observations and themes. Specifically, this illustrates the concentration of Information Technology observations at a Low risk rating, and fewer observations in the other risk categories with a higher risk rating of "Moderate".

Risk Category	Observation	UWF	FSU	UNF	UF	UCF	FAMU	FPU	USF	NCF	FIU	FAU	FGCU
Financial Reporting	Monitoring of Budget-to-Actual Performance									Low			
Financial Reporting	Restricted Funds – Interfund Transfers					Moderate				Moderate			
Procurement	Contract Management - Shared Service Contracts	Moderate											
Procurement	Policies and Procedures - Vendor Setup and Monitoring	Moderate											
Grant Management	Segregation of Duties - Grant Drawdown Process												Moderate
Information Technology	Business Continuity Management - Incident Classification	Moderate											
Information Technology	Configuration Management - Configuration Management Program		Moderate			Moderate					Moderate		
Information Technology	Data Protection - Data Handling and Classification Policy										Low		
Information Technology	Data Protection - Employee Mobile Device Management Policy	Low		Low						Low	Low	Low	
Information Technology	Data Protection – Employee Removable Media	Low	Low			Low	Low	Low				Low	
Information Technology	Data Protection - Sensitive Data-Tracking		Low										
Information Technology	Employee Management – Employee Security Awareness Training	Low			Low	Low	Low					Low	Low
Information Technology	Employee Management - User Termination and Role Change		Low		Low								
Information Technology	Information Security Governance – Clean Desk Policy			Low		Low				Low		Low	
Information Technology	Information Security Governance - Cybersecurity Risk Management Program					Low					Low		
Information Technology	Information Security Governance - Key Risk and Performance Indicators		Moderate									Moderate	
Information Technology	Information Security Governance - Policies and Procedures						Low	Low					
Information Technology	Logging and Monitoring - Logging and Monitoring Policy											Low	
Information Technology	Data Protection - Data Center Moisture Detection									Low			
nformation Technology	IT Operations - Asset Tracking											Low	
nformation Technology	Monitoring of Third-Party Service Providers		Low										

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V. Conclusion

The themes emphasized in this report and supported by our observations have led us to make two recommendations for the SUS to help strengthen risk management and control practices system-wide. We conclude our report with these recommendations as outlined in the paragraphs below.

1. Establish an Enterprise Risk Management Program for the SUS

We recommend that the BOG work collaboratively with university trustees and management to establish an enterprise risk management program for the SUS. This recommendation addresses the following themes:

- Information Security
- Third-Party Risk Management
- Management Override of Controls or Collusion

Based on our experience, we noted that the establishment of an enterprise risk management ("ERM") program may be an effective approach to addressing the themes noted above. An effective ERM program can be a powerful tool to help the SUS maintain pace with the threats that have emerged and continue to evolve in Higher Education. These threats pose not only financial risks, but may also impact reputation, compliance with regulatory requirements, safety, and strategic initiatives. The paragraphs below provide specific examples of how ERM may help the SUS address the themes noted during our assessment.

Information Security

Crowe used a proprietary set of security standards which were based on well-known and utilized frameworks and best practices (e.g. NIST) throughout the public sector, including Higher Education. We found that universities varied on the extent to which they based their information security policies and practices on an established framework or a set of standards. Consequently, we noted a relatively high number of observations indicating gaps in information security control best practices.

The implementation of an ERM framework would enable universities to clearly state their risk appetite and tolerances accompanied by the standards they wish to be measured against. This statement could be evaluated by the BOG or other designated body to determine its reasonableness and alignment with an overall SUS risk appetite for information security.

Once an agreed-upon standard has been established, the relevant controls could be more easily identified and tested periodically to determine if the university is meeting its desired security objectives and maintaining an acceptable level of risk.

Third-Party Risk Management

The observations pertaining to third-party risk management were partially focused on the need to document policies and procedures, but more importantly on the absence of clearly defined roles and responsibilities for overseeing vendor setup and maintenance as well as data protection when vendors are granted access to sensitive or personally identifiable information.

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From a data protection perspective, this area is related to the information security observations; however, this is not solely an "IT issue". There are many employees across each university who are involved in some aspect of third-party risk management ranging from the individuals who manage a contract, to those who add or update vendor information, and those who approve access to systems.

An ERM approach may be effective here because there must be a risk response, or action plan, associated with the identified risk. A key component of any action plan is an assigned risk owner and specific roles, responsibilities, and tasks that must be taken to address or "respond" to that risk. In this case, the risk response and action plan would identify the owner(s) of each risk and associated tasks ranging from contract management to procurement to user access management. Again, the existence of the plan would enable a clear line of measurement against which to evaluate the university's performance in this area.

Management Override of Controls or Collusion

While we did not identify any occurrences of management override of controls or employee collusion to bypass controls, this risk always remains relatively high from an inherent perspective due to the potential impact these could cause. This risk is further increased when an entity is facing budgetary constraints. In this case, an ERM framework can be an effective tool to consolidate existing statements, bylaws, regulations, and policies (e.g. mission, values, code of ethics) into an actionable mechanism. Additionally, risk appetite statements for an organization typically reference these components to clarify the entity's position on what actions it is willing to take, and what actions it is not willing to take in pursuit of its mission and objectives. Specific examples such as inappropriate use of designated funds can be added to a risk appetite statement for clarity.

While there are many established frameworks, such as the model established by the *Committee of Sponsoring Organizations of the Treadway Commission* (COSO), to establish an ERM program, it is considered a best practice to develop a tailored program that fits the organization's unique culture, structure, and environment. We see an opportunity to develop a sustainable ERM program across the SUS, which could be established from the top-down and embedded into the decision-making practices at the BOG level, the university Board of Trustee levels, and into the management structure. There are many benefits that a sustainable ERM program could provide to the SUS, including:

- Improvement to decision-making and deployment of resources based on an established risk appetite and prioritized risk rankings.
- Integration of risk assessments with strategy, objective setting, and performance.
- Encouragement of open communication about significant risks and reduction of gaps and inconsistencies with the management of process level objectives.
- Enhancement of knowledge management and information sharing.
- Benchmarking and collaboration with other mature universities and similar organizations with an established risk management structure.
- Introduction of a collaborative approach to identifying and addressing the top SUS priorities from a risk-based perspective.
- Creation of a common language for communicating and reporting on risk and risk management activities.

Establishing a sustainable ERM framework and program requires a significant investment of time and resources; however, the benefits fit the issues that we have encountered during the course of our assessment.

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2. Clarification of BOG Regulations

Throughout the course of our assessment we noted that, given the number and complexity of the active BOG regulations, even university employees who are highly knowledgeable expressed confusion and had come to varying conclusions on how to interpret the appropriate use of E&G funds. We completed an analysis of the active regulations at the time of our review in an attempt to recommend potential solutions to the varying interpretations and confusion.

After a search of the State University System of Florida Board of Governors Active Regulations, we found that E&G spending rules are outlined within <u>BOG</u> <u>9.007. State University Operating Budgets</u>. Subsections 3(a)1-8 outline eligible uses of and reporting on E&G funds as summarized below.

- E&G operating activities such as, but not limited to general instruction, research, public service, plant operations and maintenance, furniture, fixtures, and equipment, student services, libraries, administrative support, and other enrollment-related and stand-alone operations of the universities.
- Non-recurring expenditures. This is not defined further within the regulation.
- Carryforward expenditures included in the university's E&G Carryforward Spending Plan, some of which include capital outlay project expenditures as defined under <u>BOG 14.0025</u>. Action Required Prior to Fixed Capital Outlay Budget Request.

We have outlined several suggestions on areas where the active regulations may be clarified to guide the interpretation of how these funds may be spent.

- Provide a Comprehensive List of E&G Operating Activities. Section 9.007.3(a)1 provides a list of eligible uses of E&G funds; however, it qualifies the list with the phrase, "but not limited to", which implies that there are other eligible uses for E&G funds not stated in the active regulations. Providing a comprehensive list of eligible E&G fund uses may help alleviate confusion or varying interpretations of this regulation.
- Clearly State E&G Cannot Be Used for Capital Projects. If the BOG wants to designate E&G funds as ineligible for use on capital projects, the wording could be improved by adding an additional point that very clearly states E&G is not to be used for capital projects and remove all references that may indicate otherwise. For example, BOG 9.007.3(a)4 allows some exceptions to the rule; however, these exceptions may contribute to the universities' varying interpretations.
- Clearly Define Capital Thresholds for Renovation. A gray area exists related to the use of E&G funds for plant operations and maintenance. Specifically, at what point does building renovation turn into a capital project? Some sort of threshold would be useful to define this. Following is an example from another university:

"Structural remodeling/renovation and additions are capitalized when they enhance the use of or extend the life of the building beyond its original estimated useful life, and the total cost equals or exceeds \$100,000 or 20% of the building's cost, whichever is less."

• Clearly Define Plant Operations and Maintenance.

In addition, more clarity around what is included in plant operations and maintenance would narrow its interpretation. Adding it to the Definitions Section 9.001 would be of benefit. The Integrated Postsecondary Education Data System definition may help in this regard. It is:

"Operation and maintenance of plant (O&M): An expense category that includes expenses for operations established to provide service and maintenance related to campus grounds and facilities used for educational and general purposes. Specific expenses include: janitorial and utility services; repairs and ordinary or normal alterations of buildings, furniture, and equipment; care of grounds; maintenance and operation of buildings and other plant facilities; security; earthquake and disaster preparedness; safety; hazardous waste disposal; property, liability, and all other insurance Florida Board of Governors State University System Internal Control and Business Process Assessment Summary Report December 2019

relating to property; space and capital leasing; facility planning and management; and central receiving. This expense does include amounts charged to auxiliary enterprises, hospitals, and independent operations. Also includes information technology expenses related to operation and maintenance of plant activities if the institution separately budgets and expenses information technology resources (otherwise these expenses are included in institutional support)."

• Establish a Discussion Forum

Establishing an open forum for university management, trustee members, and BOG members to share questions and interpretations on active or proposed regulations may be an effective tool for identifying and prioritization regulatory issues for clarification. It may also help enhance the frequency of communications SUS-wide helping to resolve potential problems before they occur.

This concludes our report. We thank the Board of Governors, the various University Board of Trustee members, and the many members of university management who have given this opportunity and assisted us throughout this engagement.

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Florida Board of Governors State University System

Florida Polytechnic University Internal Management and Accounting Control and Business Process Assessment

November 2019

Florida Board of Governors State University System Florida Polytechnic University (FPU) Internal Management and Accounting Control and Business Process Assessment November 2019

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I. Executive Summary

The Board of Governors (the "Board" or "BOG") of the Florida State University System (SUS) engaged Crowe LLP to perform a system-wide "Internal Management and Accounting Control and Business Process Assessment". The purpose of this assessment was to evaluate the existing internal controls and review business processes to identify any areas of risk for the SUS.

The scope of our assessment was focused on financial and operational risks, and regulatory compliance risks among the twelve universities within the SUS.

We have presented the results of our assessment of Florida Polytechnic University (FPU) in this report. We used our risk rating methodology to evaluate and score sixty-two (62) risks statements grouped into twelve categories. Our conclusions were based on the level of residual risk and any control gaps or weaknesses noted during our assessment. Residual risk refers to the level of risk after considering the internal controls in place and other activities implemented to mitigate that risk. An in-depth discussion of our approach and rating methodology can be found in the *Assessment Overview* section of this report.

Conclusion

While the scope of our assessment precludes us from issuing an opinion on FPU's system of internal controls, based on our procedures we noted no risk categories with a high level of residual risk, or significant control gaps or weaknesses in FPU's control structure.

We concluded that seven of the twelve risk categories we evaluated had a minor residual risk rating, and five categories had a low residual risk rating. We also found opportunities for FPU to strengthen internal controls, identified as "observations" in the table below. We have highlighted these observations as specific opportunities to improve controls or risk mitigation activities. The risk rating for each observation is indicative of the risk to university objectives posed by this gap in internal controls and is separate and distinct from the residual risk ratings in each category. Additional information on these observations, our recommendations to address them, and FPU management's responses can be found in the *Observations and Recommendations* section of this report.

FPU Observations Summary

Risk Category	Description	Risk Rating
Information Technology	 Information Security Governance – Policies and Procedures. FPU has not documented information security policies and procedures for the sections pertaining to: 1) Data Protection, 2) Logging and Monitoring, 3) Risk Management, 4) Change Management Program 5) Patch Management and 5) Mobile Device Management. This increases the risk that tasks will be performed inconsistently. 	Low
Information Technology	2. Data Protection – Employee Removable Media. FPU does not have a method to manage the use of removable media. Technical controls have not been implemented to protect the access and provide data protection, such as encryption and device authentication.	Low

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II. Assessment Overview

The Board of Governors (the "Board" or "BOG") of the Florida State University System (SUS) engaged Crowe LLP to perform a system-wide "Internal Management and Accounting Control and Business Process Assessment". The purpose of this assessment was to evaluate the existing internal controls and review business processes to identify any areas of risk for the SUS. We performed these consulting services in accordance with the Standards for Consulting Services established by the American Institute of Certified Public Accountants. These services do not constitute an audit, review, or examination in accordance with standards established by the American Institute of Certified Public Accountants, and therefore, Crowe did not express an opinion on the accuracy or efficacy of the material assessed during the performance of these services.

The scope of our assessment was focused primarily on financial and operational risks, and secondarily on regulatory compliance risks. It included the twelve universities within the SUS as follows:

- Florida Agricultural and Mechanical University (FAMU)
- Florida Atlantic University (FAU)
- Florida Gulf Coast University (FGCU)
- Florida International University (FIU)
- Florida Polytechnic University (FPU)
- Florida State University (FSU)
- New College of Florida (NCF)
- University of Central Florida (UCF)
- University of Florida (UF)
- University of North Florida (UNF)
- University of South Florida (USF)
- University of West Florida (UWF)

This report represents the results of our assessment of FPU. As part of our assessment, we obtained an understanding of BOG regulations, university policies, procedures, processes and business requirements. In addition, we sent surveys and conducted interviews with various members of FPU management. Based on this information, we developed a risk and control assessment, the results of which are summarized below.

Inherent Risk Assessment

We developed an inherent risk assessment for each university in the SUS. The inherent risk assessments consisted of a list of risk factors which, based on our research and experience, are relevant, impactful, and likely to occur in a university environment. We rated some inherent risks differently across universities due to environmental or organizational variables (e.g. research-based universities, student enrollment, campus location(s), age of infrastructure, student housing, etc.). At this point in the assessment we did not yet consider the specific risk management and controls that each university had in place to mitigate these risks. It was designed to provide a baseline upon which to measure control effectiveness at the university level.

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Florida Board of Governors State University System

Florida Polytechnic University (FPU) Internal Management and Accounting Control and Business Process Assessment November 2019

Risk Rating Scale



We established a risk rating methodology to assign a score to each risk factor in the assessment as illustrated above. Our risk rating methodology considered two criteria, "Impact" and "Likelihood". The "Risk Rating" represents the average of those two scores. The impact criterion addressed the effect on financial, operational, or compliance objectives if the risk factor were to occur. The likelihood criterion addressed the probability that the risk would occur in the current environment. Our scores were based on a five-point rating scale with one (1) representing the lowest, and five (5) representing the highest risk score. We labeled the risk rating in the same manner as the impact criterion for the purpose of simplicity and consistency.

Control Ratings

We also rated the internal controls in place according to the three criteria below. The percentage assigned to each rating represents the reduction in perceived levels of risk and was used to calculate the residual risk score.

- No Observations Noted (30% reduction to the inherent risk rating),
- Needs Improvement (15% reduction to the inherent risk rating), or
- Inadequate (0%, no reduction to the inherent risk rating)

We based the control ratings on the results of our research, discussions with management, and the supporting documentation they provided to help us analyze FPU's control structure.

Residual Risk Assessment

We assigned a control rating to each control to arrive at a residual risk rating in a consistent manner. The residual risk assessment was intended to provide an overview of the university's risk management and system of internal control. We recognized that each control and its related risk had unique components that would not be fully represented by the control or residual risk rating. Therefore, we developed an observation and recommendation for controls rated as "Needs Improvement" or "Inadequate" to provide additional insight into that specific matter.

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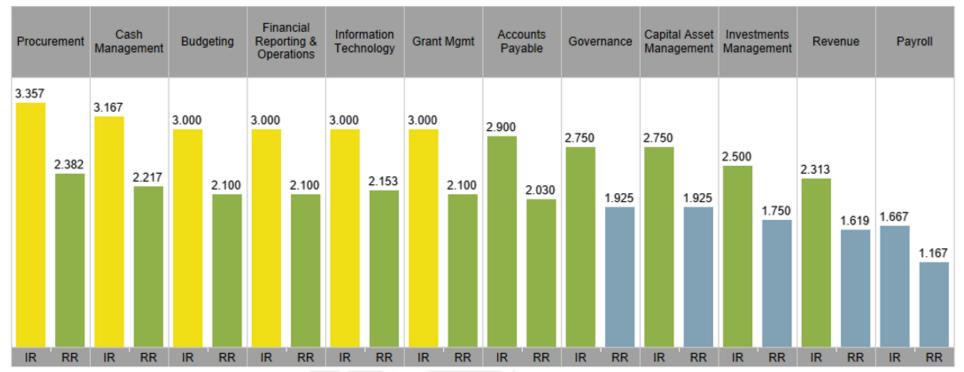
3

Florida Board of Governors State University System Florida Polytechnic University (FPU) Internal Management and Accounting Control and Business Process Assessment November 2019

We used the risk category ratings, as illustrated in **Exhibit 1** below, to summarize the sixty-two (62) risk statements which we evaluated and scored during this assessment. We assessed the risk factors from the perspective of "inherent risk" (i.e. prior to considering implementation of controls) and "residual risk" (i.e. after consideration of controls in place to mitigate the risk). In total we grouped risks into twelve categories and deemed seven categories to have a minor level of residual risk and five categories to have a low level of residual risk. FPU's three highest categories of residual risk were Procurement, Cash Management, and Information Technology. However, based on our methodology, all risk categories were below our threshold for a reportable observation.

The bar graph illustrates the difference between the average inherent and residual risk scores for each risk category. Please note that if an individual risk factor exceeded the threshold, we would have reported an observation and recommendation for those factors. However, we did not note any individual risk factors that exceeded the threshold, and these key functions/risk categories also have average residual risk scores below our threshold. This is an indicator that our observations identified were not systemic to the functional area.

Exhibit 1: FPU Inherent vs. Residual Risk by Category



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Exhibit 2 highlights similar information but uses different visualizations to illustrate how the control rating reduced the level of inherent risk (i.e. resulting in the residual risk score). The inherent risk represents the baseline score in each category prior to considering internal controls. The control mitigation score represents our assessment of the controls in each category. The residual risk score is the net result of the two scores and is used to indicate whether the control structure was adequately designed to mitigate the associated risks to a reasonable level. Again, this exhibit indicates that all risk categories had average residual risks below our threshold for reportable observations.

Exhibit 2: FPU Inherent vs. Residual Risk with Control Rating

Risk Factor Category	IR	Control Mitigation Effectiveness	RR
Accounts Payable	2.900	0.300	2.030
Budgeting	3.000	0.300	2.100
Capital Asset Management	2.750	0.300	1.925
Cash Management	3.167	0.300	2.217
Financial Reporting & Operations	3.000	0.300	2.100
Governance	2.750	0.300	1.925
Grant Mgmt	3.000	0.300	2.100
Information Technology	3.000	0.285	2.153
Investments Management	2.500	0.300	1.750
Payroll	1.667	0.300	1.167
Procurement	3.357	0.289	2.382
Revenue	2.313	0.300	1.619

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Conclusion

Based on our procedures, we noted no individual risk factors which arose to the level of a reportable observation (i.e. a residual risk score of 4 or greater). However, our risk and control assessment enabled us to identify areas to improve risk management and control practices. Additional detail on these observations, our recommendations on how FPU could address these observations, and FPU management's responses to our recommendations have been provided in the *Observations and Recommendations* section of this report.

We also noted that the university would likely benefit from an enhanced focus in the Information Technology risk category. While we have addressed specific risks in our observations and recommendations, this is an area in which FPU could benefit from a more holistic approach to risk management. A strong risk management framework is critical to maintain pace with the threats that have emerged alongside technological advances. These threats pose not only financial risks, but may also impact reputation, safety, and strategic initiatives. FPU should consider strengthening their risk management practices through a more formal, systematic approach in order to provide an added level of assurance to its Board of Trustees and to the Board of Governors that the university has taken reasonable measures to manage the risks it faces in the course of pursuing its mission.

III. Objectives and Scope

The purpose of this assessment was to evaluate the existing internal controls and review business processes to identify any areas of risk for the SUS. We accomplished this by completing a risk and control assessment for each university within the SUS, which enabled us to identify gaps or weaknesses in internal controls and make recommendations to the university and the BOG for improvement. In summary, our objectives were to evaluate the risks, controls, and business processes related to financial accounting and operations at FPU, and to provide observations and recommendations to the FPU Board of Trustees, FPU leadership, and the BOG on improving the risk management, controls, and business processes within the university.

The scope of our assessment included the following activities and processes at FPU:

- 1. Internal Management and Accounting Controls over:
 - a. Accounting Operations (e.g. Accounts Payable, Accounts Receivable, Payroll)
 - b. Financial Statement Preparation and Issuance
 - c. Grant Management
- 2. Business Processes and Operations, including:
 - a. Procurement
 - b. Budget Management and Oversight (Capital and Operating)
 - c. Capital Program and Asset Management
 - d. Information Systems Management
 - e. Cyber Security
 - f. Contract Management
- 3. Compliance matters, including:
 - a. Data Privacy rules and regulations
 - b. Federal and State Grant reporting requirements
 - c. Financial Aid regulations

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IV. Procedures Performed

Summary of Procedures

It should be recognized that internal controls are designed to provide reasonable, but not absolute, assurance that errors and irregularities will not occur, and that procedures are performed in accordance with management's intentions. There are inherent limitations that should be recognized in considering the potential effectiveness of any system of internal controls. In the performance of most control procedures, errors can result from misunderstanding of instructions, mistakes in judgment, carelessness, or other factors. Internal control procedures can be circumvented intentionally by management with respect to the execution and recording of transactions, or with respect to the estimates and judgments required in the processing of data. Controls may become ineffective due to newly identified business or technology exposures. Further, the projection of any evaluation of internal control to future periods is subject to the risk that the procedures we completed during our assessment of FPU have been summarized in the table below.

- 2. We prepared an inherent risk assessment, which includes risks arising from our assessment of the above, as well as our experience in common risks within higher education, specific to financial and operational issues.
- 3. We analyzed risk/control questionnaires completed by university management and identified key controls in place to manage the risks identified above.
- 4. We conducted interviews onsite with university management for insight into risk management and control perspectives and activities.
- 5. We evaluated FPU's risk management and control structure based on the information gathered above.
- 6. We have identified gaps in controls and process improvement opportunities. These have been documented in this report as observations and recommendations.
- 7. We have confirmed with FPU management the factual basis for our observations and recommendations. Management's written responses are included for each recommendation in this report.

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V. Observations and Recommendations

Our procedures yielded two (2) observations which are summarized in the table below. These observations represent areas where we determined that controls were absent or were not adequate to mitigate the associated risk to an acceptable level. In the following section we have provided details and recommendations to address each of these observations. Management's responses to each of our recommendations are also included in this section.

Risk Category	Description	Risk Rating
Information Technology	1. Information Security Governance – Policies and Procedures	Low
Information Technology	2. Data Protection – Employee Removable Media	Low

Observations and Recommendations

Observation 1	Process Area	Priority Rating
Information Security Governance – Policies and Procedures	Information Technology	Low

Condition: Several policies and procedures have not been documented or need enhancement to reflect the current security configurations and industry standards. The following policies and procedures have not been documented:

- Data Protection The organization does not maintain a documented data protection program which includes requirements for data inventory, data protection, and data sanitization.
- Logging and Monitoring The organization does not maintain a documented logging and auditing requirements that includes the system types to be logged, procedures for log review, alerting thresholds, log retention requirements, and personnel to be alerted.
- **Risk Management** The organization does not maintain a documented risk management program which includes documented risks, threats, and vulnerabilities.
- Change Management Program The organization does not maintain a change management program with requirements which include documented change control criteria, functional testing, back-out procedures, and reporting.
- Patch Management The organization does not maintain a documented patch management program that defines requirements for patch documentation, approvals, patch installation frequency, testing, exceptions, and emergency and critical patch processes.
- Mobile Device Management The organization does not maintain a documented mobile device management program which includes standards for securing mobile devices and requirements for users to access company data from their mobile devices.

Criteria: We relied on the National Institute of Standards and Technology (NIST) SP 800-53 r5 PM-1 as the criteria upon which to evaluate these controls.

Root Cause: FPU has not yet prioritized resources to complete the development of the policies and procedures noted in the Condition above.

Implication: Lack of policies and procedures may result in potential conflicts when performing tasks due to inconsistent and/or lack of documentation. Policies help constitute what is acceptable behavior and formalized and up-to-date procedures provide guidance and clearly defined steps on how to execute the necessary task in a consistent manner.

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Recommendation: FPU should develop policies and procedures around the noted program areas. These policies and procedures should, at a minimum, include the purpose, scope, roles and responsibilities, policy standards, violations, approval and ownership, and references (if applicable). Once the policy has been defined with approved security standards, Management should document procedures to verify the enforcement of the documented standards. At a minimum, Management should perform a yearly review, update, and approval of the policies and if applicable, the procedures, to reflect the current industry security standards and practices.

Management Response:

Management agrees. As a smaller institution, we mitigate risks by close managerial supervision. Based on Crowe's recommendation and their low-risk assessment, we have prioritized resources to complete the documentation of the policies and procedures noted in the Crowe observation by December 31, 2019.

Planned for implementation by January 2020.

Observation 2	Process Area	Priority Rating	
Data Protection – Employee Removable Media	Information Technology	Low	

Condition: FPU does not have a method to manage the use of removable media. Technical controls have not been implemented to protect the access and provide data protection, such as encryption and device authentication.

Criteria: We relied on the National Institute of Standards and Technology (NIST) SP 800-53 r5 MP-1, MP-2, MP-5, MP-7 as the criteria upon which to evaluate these controls.

Root Cause: FPU has not prioritized resources to address the risk of employees using removable media.

Implication: Without restrictions and the protection of data confidentiality on the use of removable storage media through device encryption, there is the risk of unauthorized disclosure of business and customer information through the loss or misuse of the storage media.

Recommendation: To ensure the confidentiality and integrity of electronic data stored on a removable media, FPU personnel should only use encrypted devices and their use should be restricted (for both read and write capabilities) to only authorized individuals who have a legitimate business need. Removable media should also be centrally managed, and only company devices should be used. To account for all files that may be considered sensitive, technical controls should be implemented to force removable media encryption and reduce the risk of sensitive files being lost. Removable media encryption solutions are listed below:

USB Encryption Solutions		
DiskCryptor	https://diskcryptor.net/wiki/Main_Page	
Rohos Disk Encryption	https://www.rohos.com/products/rohos-disk-encryption/	
PGP Disk	http://www.symantec.com/encryption/	
Gilisoft USB Stick Encryption	http://gilisoft.com/product-usb-stick-encryption.htm	
Kakasoft USB Security	http://www.kakasoft.com/usb-security/	
Iron Key (Encrypted USB)	http://www.ironkey.com/en-US/	

Alternatively, if there is no business need for removable media, it can be restricted using third party tools or through Microsoft Group Policy. The following article provides a walkthrough on how this can be accomplished:

https://technet.microsoft.com/en-us/library/Cc772540(v=WS.10).aspx

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Management Response:

Management partially agrees. All University employees receive and sign written guidance on the proper handling of removable media. The University adopted Data Classification and Protection Policy FPU-11.00122P that requires that the "highest level of access and security controls and protection will be applied both in storage and in transit," and we have trained University employees on that policy. Based on Crowe's recommendations, the University partially agrees and is exploring removable media management software to determine if the benefit exceeds the cost, considering the low-risk assessment noted by Crowe.

Timeline for implementation has not yet been determined.

VI. Appendix - List of Interviewees at FPU

The following individuals were interviewed during our onsite visit to FPU the week of July 29, 2019. The name, title, and interview subject are included below.

- 1. Accounts Payable & Procurement:
 - a. David O'Brien- Director of Procurement
 - b. Treasa McLean Assistant Director of Procurement
 - c. Laura Marrone Associate Director of Procurement
 - d. John Irvine Director of Finance and Accounting, Accounts Payable, & Construction
- 2. Cash Management:
 - a. Derek Horton University Controller
 - b. John Irvine Director of Finance and Accounting, Accounts Payable, & Construction
- 3. Budget and Financial Reporting:
 - a. Regina Siewart, Budget Officer
 - b. Derek Horton, University Controller
 - c. John Sprenkle, Director of Finance and Accounting for Financial Reporting
- 4. Capital Asset Management:
 - a. John Irvine Director of Finance and Accounting, Accounts Payable, & Construction
 - b. David Calhoun, Assistant Vice President of Facilities and Safety Services
- 5. Grants Management: Nicole Tardiff, Director of Sponsored Programs
- 6. Internal Audit and Compliance: David Blanton, Chief Compliance Officer and Chief Audit Executive
- 7. Information Technology: Ben Beachy, Chief Information Officer
- 8. Student Billing:
 - a. Derek Horton, University Controller
 - b. John Sprenkle, Director of Finance and Accounting for Financial Reporting
 - c. Andrew Strazi, Director of Reporting and Analytics
- 9. Governance: FPU Board of Trustees Chair, Don Wilson

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AGENDA ITEM: XI.

Florida Polytechnic University Board of Trustees Finance and Facilities Committee February 25, 2020

Subject: Applied Research Center (ARC) Update

Proposed Committee Action

No action required – information only.

Background Information

Applied Research Center design, schedule, construction, budget update, and GMP 2 review.

Supporting Documentation:

1. Applied Research Center (ARC) Update Presentation

Prepared by: David Calhoun, Assistant Vice President of Facilities and Safety Services



Facilities & Applied Research Center Update (ARC)

David Calhoun February 25, 2020



ARC Overview

 Total project budget (\$42.6M)

Funded to Date

- PECO funding 16-17 (\$5.0M)
- PECO funding 17-18 (\$2.0M)
- CF funding 16-17 (\$5.0M)
- CF funding 18-19 (\$15.9M)
- CF funding 19-20 (\$2.0M)
- Est. project cost remainder (\$12.7M)
- Est. Operation (\$2.0M)
- Proposed completion date 08/2021
- Building size
 - New NAS (66,861) vs. (60,786)
 - New GSF (96,600) vs. (85,100)







ARC Budget Update

• Building Cost Estimates

- Schematic Design (9/18/18)
- Revised Schematic Design (11/2/18)
- Advanced Schematic Design (12/12/18)
- Design Development (7/5/19)
- 60% Construction Document (10/19/19)

Design Development Construction Estimate

- Current Estimate = \$36.8M
 - Previous = \$34,606,562
- Target Value = \$36.9M
 - Previous = \$34,999,652
- Below target value \$100,000
 - Previous = \$393,090

• Concurrent IST/ARC Planning Effort

- Complete
- Objective align both buildings with the Academic Mission.



ARC Project Milestones

Florida Polytechnic Applied Research Center			Master Schedule		
ctivity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish
Florida Polytec	hnic Applied Research Center_CURRENT	916	409	01-Jan-18 A	02-Sep-21
Milestones		647	388	01-Aug-18 A	02-Sep-21
MS-01	Award Pre-Construction Contract	0	0		01-Aug-18 A
MS-13	GMP #1 Execution/ Notice to Proceed	0	0		23-Sep-19 A
MS-05	ARC Building - Demo Start	0	0	04-Nov-19 A	
MS-03	GMP #2 - Execution	0	0		25-Feb-20
MS-16	GMP #2 - Board of Trustees Meeting	0	0		25-Feb-20*
MS-14	FPU Confirm 2020 Funding	0	0		06-Apr-20*
MS-04	GMP #3 - Execution	0	0		22-Apr-20
MS-15	GMP #3 - Interim Board of Trustees Meeting	0	0		22-Apr-20*
MS-06	Structure Top-Out	0	0		24-Apr-20
MS-17	North Bar Envelope Dried-In	0	0		11-Sep-20
MS-12	Receive 2020 Funding	0	0		15-Oct-20*
MS-19	Shop Closed-in (Potential Ability to Turn-over to Owner)	0	0		02-Nov-20
MS-07	South Bar Envelope Dried-In	0	0		05-Nov-20
MS-18	Atrium Envelope Dried-In	0	0		24-Nov-20
MS-11	Transformer Set & Power Available (By TECO)	0	0		06-Dec-20
MS-08	Power & Conditioned Air Ready	0	0		28-Dec-20
MS-09	Substantial Completion	0	0		30-Jun-21*
MS-10	Final Completion	0	0		02-Sep-21



- Construction Manager Contract
- Phase 1 Ground Enhancement, Foundations, & Structure
 - GMP Approved \$8.2M
- Phase 2 Building Shell
 - GMP approval requested \$17.7M

Phase 3 – Interior Build Out

- GMP - Estimated Interior Build Out GMP \$10.9



- Contract questions?
- What if the University does not receive the remaining \$12.7m from PECO this year?
 - Completion of Phase II includes closing in the building with portions of it operational.
 - Is there a potential to use carryforward to supplement a portion of the PECO (\$12.7M) not received?
 - Portions of FF&E can be leased.
 - Wait for another budget cycle.

Florida Polytechnic University Board of Trustees Finance and Facilities Committee February 25, 2020

Subject: Approval of Contracts over \$500,000

Proposed Committee Action

Recommend approval of Skanska USA Building Inc. (Skanska), Guaranteed Maximum Price Phase II ("GMP 02"), in the amount of \$17.7M, for Applied Research Center construction contract to the Board of Trustees.

Background Information

All contracts greater than or equal to \$500,000 must be approved by the Florida Polytechnic University Board of Trustees. The University recommends approval of GMP 02 to the Construction Management Agreement with Skanska for mechanical, electrical, plumbing and fireproofing (MEPF) & exterior skin (Building Shell) of the Applied Research Center.

Supporting Documentation:

- 1. Executive Summary
- 2. Skanska Agreement for Construction Management Services Agreement
- 3. Skanska GMP 02, Mechanical, Electrical, Plumbing and Fireproofing (MEPF) & Exterior Skin (Building Shell)

Prepared by: Mark Mroczkowski, Vice President and CFO

EXECUTIVE SUMMARY

Information recommending the Florida Polytechnic University Board of Trustees approval of Applied Research Center (ARC) Agreement GMP 02, MEPF & Exterior Skin (build out), with Skanska USA Building Inc., in the amount of \$17.7M, at the February 25, 2020, Board of Trustees meeting. (Agenda Item XI "Approval of Contracts over \$500,000").

BACKGROUND:

A competitive solicitation was issued in 2017 (PQS 17-005) Applied Research Center Construction Manager at Risk Services to construct the foundation and structure of the ARC. Skanska was one of 13 proposals submitted. On July 2, 2018, Skanska was awarded contract as Applied Research Center Construction Manager at Risk.

DESCRIPTION OF PROJECT:

Description of Project FPU Project No: PC55327 FPU Project Name: Applied Research Center Locations/Address: 4400 Polytechnic Circle Description/Scope: New Teaching and Research Facility

The Project consists of the new construction of a 2 story - 95,000 GSF Laboratory, Office and Classroom building on the Florida Polytechnic University campus in Lakeland, FL. The project is known as the Applied Research Center and will offer a similar level of visual interest as the signature IST Building, which it is located adjacent to. There will be a high level of technology integration, flexibility of systems, and the need for attentiveness to architectural details.

The University has engaged the services of Hellmuth, Obata, & Kassalbaum, Inc. (HOK). to provide the design and Contract Administration Services as the "Architect" as defined in the Contract Documents.

This project will be completed in three phases with Skanska projected cost of \$36.8M. GMP 02 Proposal is the second phase of the project:

- Phase 1 Ground Enhancement, Foundations, & Structure GMP Approved - \$8.2M
- Phase 2 Mechanical, Electrical, Plumbing and Fireproofing (MEPF) & Exterior Skin (Building Shell)
 GMP – approval requested \$17.7M
- Phase 3 Interior Build Out
 GMP Estimated Interior Build Out \$10.9

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FISCAL IMPACT:

Applied Research Center total project budget is \$42.6M for all phases of project including Skanska contract of \$36.8M for construction services.

- Funded to Date (\$29.9M)
 - PECO funding 16-17 (\$5.0M)
 - PECO funding 17-18 (\$2.0M)
 - CF funding 16-17 (\$5.0M)
 - CF funding 18-19 (\$15.9M)
 - CF funding 19-20 (\$2.0M)
- Est. project cost remainder (\$12.7M)
- Proposed completion date 08/2021
- Building size
 - New NAS (66,861) vs. (60,786)
 - New GSF (96,600) vs. (85,100)

LEGAL CONSIDERATIONS:

The Office of General Counsel has approved this Applied Research Center GMP 02 for legal compliance and sufficiency.

FINAL COMMENTS:

Overall ARC project is moving forward as anticipated with completion of GMP 01. Board of Trustee approval is requested to execute GMP 02 to continue on schedule with proposed completion date of August 2021.

PREPARED BY: Treasa McLean, AVP, Procurement and Auxiliary Services David Calhoun, AVP, Facilities and Safety Services

CF = Carry Forward GSF = Gross Square Feet MEPF = Mechanical, Electrical, Plumbing and Fireproofing NAS = Net Assignable Square Feet PECO = Public Education Capital Outlay



AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

Project Name:

Applied Research Center

Construction Manager:

Skanska USA Building Inc. 4030 Boy Scout Blvd., Suite 200 Tampa, FL 33607 (813) 282-3262

AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

FLORIDA POLYTECHNIC UNIVERSITY

THIS AGREEMENT for Construction Management Services (the "Agreement") is made and entered into this day of June, 2018, by and between the Florida Polytechnic University for and on behalf of The Florida Polytechnic University Board of Trustees ("Owner") and <u>Skanska USA Building Inc.</u>, Federal I.D. No. 22-3752540, ("Construction Manager") which is authorized to do business in Florida.

WITNESSETH:

WHEREAS, Owner solicited statements of qualifications from interested construction managers for the construction of the project described on **Exhibit A** (the "Project"); and

WHEREAS, based on Construction Manager's interview, qualifications statement and related submissions, Owner has selected Construction Manager for the Project; and

WHEREAS, Owner and Construction Manager desire to enter into this Agreement;

WHEREAS, the Owner intends to engage, or has engaged, one or more Professionals to perform architectural and for engineering service for the Project;

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

ARTICLE 1 GENERAL DESCRIPTION OF SERVICES

1.1 The Services. The Construction Manager agrees to furnish the pre-construction and construction services set forth herein and required for completion of the Project on a Guaranteed Maximum Price (hereinafter defined) basis. Construction Manager represents that it is thoroughly familiar with and understands the requirements of the Project scope and that they are experienced in the administration and construction of building projects of the type and scope contemplated by the Owner's program for the Project. Construction Manager represents to Owner that Construction Manager has all necessary construction education, skill, knowledge, and experience required for the Project and will maintain, at all times during the term of this Agreement, such personnel on its staff to provide the services contemplated hereby within the time periods required hereby. In addition, Construction Manager represents that it has, and all the subcontractors performing services under this Agreement will have, all applicable licenses required by the State of Florida to perform such services.

1.2 Project Schedule/Time of the Essence. Construction Manager has provided Owner with a preliminary schedule covering the pre-construction and construction of the Project which is incorporated herein as **Exhibit B**. This preliminary schedule shall serve as the framework for the subsequent development of all detailed construction schedules described herein and in the General Terms and Conditions. The Construction Manager shall at all times carry out its duties and responsibilities as expeditiously as possible and in accordance with the Project schedule, subject to delays in the schedule not the fault of Construction Manager or its subcontractors. Time is of the essence for achieving the milestones outlined in Exhibit B in the performance of this Agreement.

Preparation/Sufficiency of Site. The Construction Manager shall, among other things Construction 1.3 Manager needs to do to perform its obligations under this Agreement, as and when appropriate, (i) visit and thoroughly inspect the Project Site and any structure(s) or other manmade features to be modified and become familiar with local conditions under which the Project will be constructed and operated; (ii) familiarize itself with the survey including the location of all existing buildings, utilities, conditions, streets, equipment, components and other attributes having or likely to have an impact on the Project; (iii) familiarize itself with the Owner's layout and design requirements, conceptual design objectives, and budget for the Project; (iv) familiarize itself with pertinent Project dates and programming needs, including the Project schedule, (v) review and analyze all Project geotechnical, Hazardous Substances, structural, chemical, electrical, mechanical, and construction materials tests, investigations and recommendations; and (vi) gather any other information necessary for a thorough understanding of the Project. If the Project involves modifications to any existing structure(s) or other manmade feature(s) on the Project site, the Construction Manager shall also review all as-built and record drawings, plans and specifications of which Construction Manager has been informed by Owner and thoroughly inspect the existing structure(s) and manmade feature(s) to identify existing deficiencies and ascertain the specific locations of pertinent structural components. Claims by Construction Manager resulting from Construction Manager's failure to familiarize itself with the Site or pertinent documents shall be deemed waived.

1.4 Project Team. The Construction Manager shall use the Project Team identified on **Exhibit C**. The Construction Manager shall not remove or replace any members of the Project Team, except with the written approval of Owner based upon good cause shown or as directed by Owner as provided hereunder. Further, if any member of the Project Team discontinues service on the Project for any reason whatsoever, Construction Manager shall promptly replace such team member with a qualified individual approved by Owner, in writing, which approval will not be unreasonably withheld.

1.5 Contract for Construction. The "Contract for Construction", which constitutes the entire agreement between Owner and Construction Manager, consists of this Agreement and all exhibits hereto; the General Terms and Conditions; special conditions, if any; proposal(s) submitted by Construction Manager and accepted by Owner, if any; the Construction Documents; any amendments or addenda executed by the Owner and the Construction Manager hereafter; Owner approved change order(s) or field orders if there is insufficient time to fully execute a change order; and the additional documents listed on **Exhibit A**, if any. Documents not included or expressly contemplated in this Section 1.5 do not, and shall not, form a part of the Contract for Construction. Without limiting the generality of the foregoing, shop drawings and other submittals from the Construction Manager or its subcontractors and suppliers do not constitute a part of the Contract for Construction.

ARTICLE 2 OWNER'S DUTIES, OBLIGATIONS, AND RESPONSIBILITIES

2.1 Project Information. Construction Manager acknowledges that Owner has provided Construction Manager with information regarding Owner's requirements for the Project as set forth in the Project's program.

2.2 Owner's Budget. The Owner shall establish and update a budget for the Project, including the amount allocated for construction, the Owner's other costs and reasonable contingencies related to these costs as appropriate.

2.3 **Owner's Representative.** The Owner shall designate a representative authorized to act on the Owner's behalf with respect to the Project.

2.4 Time for Performance. The Owner shall review and approve or take other appropriate action on all submittals within the timeframes set forth in <u>Exhibit B</u>.

2.5 **Purpose of Owner's Review.** Owner's review, inspection, or approval of any Work, Applications for Payment, or other submittals shall be solely for the purpose of determining whether the same are generally consistent with Owner's construction program and requirements. No review, inspection, or approval by Owner of such Work or documents shall relieve Construction Manager of its responsibility for the performance of its obligations under the Contract for Construction or the accuracy, adequacy, fitness, suitability, or coordination of the Work. Approval by any governmental or other regulatory agency or other governing body of any Work, Design Document, or Contract Documents shall not relieve Construction Manager of responsibility for the performance of its obligations under the Contract for Construction. A change order shall be issued when work is approved or directed to be completed differently than shown in contract documents. Payment by Owner pursuant to the Contract for Construction shall not constitute a waiver of any of Owner's rights under the Contract for Construction or at law, and Construction Manager expressly accepts the risk that defects in its performance, if any, may not be discovered until after payment, including final payment, is made by Owner. Notwithstanding the foregoing, prompt written notice shall be given by the Owner or Professional to the Construction Manager if the Owner becomes aware of any fault or defect in the Project or non- conformance with the Contract for Construction.

2.6 Status of Owner. The Owner shall not have control or charge of construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, nor shall the Construction Manager, for any of the foregoing purposes, be deemed the agent of the Owner.

2.7 **Owner's Utilities.** The Owner shall be responsible to provide and pay for consumption of, and connections to, utilities required for temporary service and construction for this project.

ARTICLE 3 CONSTRUCTION MANAGER'S SERVICES

3.1 The Construction Manager's Services under this Agreement include General Project Services, Pre-Construction Services, and Construction Services.

3.2 Upon execution of this Agreement and issuance of a Notice to Proceed by the Owner, the Construction Manager shall commence performance of Pre-Construction Services. Upon execution of **Exhibit D** and issuance of a Notice to Proceed by the Owner, the Construction Manager shall commence performance of Construction Services. The parties acknowledge that (i) the Owner may determine not to proceed with Construction Services, (ii) performance of Pre-Construction Services may overlap performance of Construction Services, (iii) categories of Work performed during Construction Services may be performed in separate phases, and (iv) payment of the Construction Manager for Pre-Construction Services shall be separate from payment, if any, for Construction Services.

3.3 General Project Services. The Construction Manager agrees to:

3.3.1 Provide all services, as agreed to and as defined in the GMP, required to professionally complete the Work in an expeditious and economical manner consistent with the Contract for Construction and the best interests of the Owner.

3.3.2 Endeavor to develop, implement and maintain, in consultation with the Owner, Professional, and the Subcontractors, a spirit of cooperation, collegiality, and open communication among the parties so that the goals and objectives of each are clearly understood, potential problems are resolved promptly, and, upon completion, the Project is deemed a success by all parties.

3.3.3 Perform its services in accordance with schedule requirements.

3.3.4 Work with Owner and Professional to pursue Owner's goal of obtaining Leadership in Energy and Environmental Design (LEED) certification for the Project, at the level set forth on **Exhibit E.**

3.3.5 Participate in, and cooperate with, design phase and construction phase commissioning, validation, and other quality assurance and quality control processes.

3.3.6 Complete the Work by the required date of Substantial Completion. The Construction Manager shall submit an initial Construction Schedule by the date set forth on **Exhibit B**; a final Construction Schedule with each Guaranteed Maximum Price proposal; and revised Construction Schedules in accordance with the General Terms and Conditions. The Construction Schedule shall complement, and shall not conflict with, the design schedule.

3.3.7 Comply with Owner's Building Design and Construction Standards applicable to this Agreement as referenced herein. A link to the policies is provided on **Exhibit A**.

3.4 Pre-Construction Services. The Construction Manager shall provide the following Pre-Construction Services as discussed more fully in Construction Manager's Pre-Construction proposal dated June 5, 2018, attached as Exhibit H:

3.4.1 The Construction Manager shall familiarize itself with the approved facilities program for the Project and actively and jointly participate with the Owner and the Professional in formation of the final Project design. The phasing of, and schedule for, design for this Project are set forth on **Exhibit B**.

3.4.2 Submit for Owner review within thirty (30) calendar days of the Owner's execution of this Agreement:

- (i) Project reporting procedures;
- (ii) Quality Control and Testing Program defined in **Exhibit F**;
- (iii) Safety Program.

3.4.3 The Professional is required, in accordance with schedule requirements, to provide design concepts, narratives, and drawings. At each phase of design, in keeping with the Owner's goals and the program for the Project, the Construction Manager shall familiarize itself with these design documents and, in accordance with the Schedule on **Exhibit B**, provide the Owner and Professional with a report detailing construction issues and concerns relating to the design, with detail appropriate to the phase of design. Without limitation of the foregoing, each construction report shall:

(i) include an estimate of overall construction cost, with Construction Manager's contingency associated with the Cost of the Work at no greater percentages than the percentages set forth on <u>Exhibit E</u>, including a comparison of the estimate to Owner's budget for construction;

(ii) identify conceptual decisions necessary to prepare accurate cost reports with the fewest assumptions, qualifications and exclusions;

(iii) include an analysis and evaluation of jobsite management, site logistics, and schedule considerations;

(iv) include an analysis and evaluation of the constructability of the design concepts, narratives, or drawings;

(v) include an analysis and evaluation of the design concepts, narratives, or drawings in regard to the completeness of intended bid categories, conflicts or overlaps in the divisions

of the Work, design details affecting construction including, without limitation, unusual or custom materials, value analysis, identification of long-lead materials affecting the Construction Schedule, availability of labor, and other factors affecting construction and, in the report provided during the Construction Documents Phase, suggestions for alternatives for matters which may delay the construction schedule;

(vi) address problems, conflicts, defects or deficiencies in the design concepts and offer resolutions of same; and

(vii) identify any other issues which Construction Manager reasonably believes may have a negative impact on the Project schedule, budget or performance.

3.4.4 The Construction Manager and the Professional shall jointly schedule and attend regular meetings with the Owner and evaluate the preliminary design drawings. The Professional shall prepare and distribute minutes of these meetings, and the Construction Manager shall verify the accuracy and completeness of the minutes.

3.4.5 The Construction Manager shall develop a comprehensive jobsite management and logistics plan for the Owner's review. This plan shall be submitted no later than the date set forth on **Exhibit E.**

3.4.6 The Construction Manager shall, in accordance with schedule requirements, assist the Professional with the resolution of all problems, conflicts, defects or deficiencies identified during the review and evaluation of the Construction Documents.

3.4.7 At each phase of design, the Construction Manager shall work with the Professional and for the Owner's cost consultant to reconcile, and make recommendations on, the differences between the estimates each has prepared at that phase of design. If the final estimates of the Construction Cost by the Construction Manager and the Professional and for the Owner's cost consultant differ materially, the Construction Manager and Professional and for Owner's cost consultant shall meet promptly to reconcile the discrepancies between their estimates so as to permit submission to the Owner of a final estimate of Construction Cost on which both the Professional and the Construction Manager agree.

3.4.8 If the Owner elects to phase and for "fast track" portions of the construction (such portions being described on <u>Exhibit E</u>), multiple Guaranteed Maximum Price proposals will be required.

3.4.9 The Construction Manager understands and acknowledges the Owner's intent that the Project will be completed within the budget set by Owner for the Project. Accordingly, throughout the Pre-Construction Services phase, the Construction Manger shall keep Owner informed if it believes that the Project may not be completed within Owner's budget, the reasons why it cannot be, and the Construction Manager's proposed solutions thereof.

3.5 Guaranteed Maximum Price Proposal

3.5.1 At the time set forth on Exhibit B, as it may be adjusted, which shall be prior to performance of Construction Services, the Construction Manager shall prepare and deliver to the Owner, with a copy to the Professional, a Guaranteed Maximum Price ("GMP") proposal. The Construction Manager shall, at a minimum, include in the GMP proposal:

- (i) a recital of the specific Construction Documents, including drawings, specifications, and all addenda thereto, used in preparation of the GMP proposal;
- (ii) the five (5) elements of the GMP:
 - a. Guaranteed Maximum Cost of the Work (hereinafter defined), detailed by each subcontract, trade or bid division;
 - b. the Construction Manager's Contingency for the Work;
 - c. General Conditions Costs consisting of:
 - Guaranteed Maximum Construction Manager's General Conditions Staffing Cost (hereinafter defined), detailed by expense category; and
 - Guaranteed Maximum General Conditions Cost (hereinafter defined), detailed by expense category;
 - d. Guaranteed Maximum for Construction Manager's Overhead and Profit.
 - e. Insurance and Bonds as follows:
 - ➤ Builder's Risk Insurance
 - ► Liability Insurance

- ➤ Payment and PerformanceBonds
- (iii) a draft schedule of values;
- (iv) a description of all other inclusions to, or exclusions from, the GMP,
- (v) all assumptions and clarifications; and
- (vi) the final Construction Schedule.

3.5.2 The Construction Manager acknowledges that the Construction Documents may be incomplete at the time the Construction Manager delivers the GMP proposal, and that the Construction Documents may not be completed until after commencement of the Work. Nevertheless, the GMP proposal shall include all costs for the Work required by the completed Construction Documents, and if the GMP proposal is accepted by the Owner, the Construction Manager shall be entitled to no increase in the GMP if the Work required by the completed Construction Documents (i) is required by the Contract for Construction, (ii) is reasonably inferable from the incomplete documents, (iii) is consistent with the Owner's programmatic goals and objectives, (iv) is consistent with the Owner's Design and Construction Standards and the general industry standards for completion of the Work, (v) is not an enlargement of the scope of Work or (vi) conforms to the nature, type, kind or quality of Work depicted in the incomplete documents.

3.5.3 If the GMP proposal is unacceptable to the Owner, the Owner shall promptly notify the Construction Manager in writing. Within fourteen (14) calendar days of such notification, the Owner, Professional and Construction Manager shall meet to discuss and resolve any differences, inconsistencies, or misunderstandings and to negotiate recommended adjustments to the Work and for to the GMP.

3.5.4 The Owner may, at its sole discretion and based upon its sole judgment, (i) indicate its acceptance of a GMP proposal; (ii) reject a GMP proposal; (iii) terminate the Project; or (iv) proceed to construct the Project using a party or parties other than the Construction Manager.

3.5.5. If the Owner rejects a GMP proposal, neither party shall have any further obligation under the Contract for Construction. Owner shall pay all costs previously approved by Owner and incurred by Construction Manager prior to the notice of rejection of the GMP proposal.

3.5.6 If the Owner accepts a GMP proposal, the parties shall complete and execute **Exhibit D**, and the Owner shall issue a written Notice to Proceed to the Construction Manager establishing the date construction is to commence (the "Commencement Date"). The Construction Manager shall not expend any monies for construction prior to receipt of such Notice to Proceed without the written approval of the Owner.

3.5.7 Price Guarantees

(i) Upon execution of <u>Exhibit D</u>, the Construction Manager guarantees that the sum of (a) the <u>actual</u> Cost of the Work, (b) Construction Manager's Contingency, (c) Construction Manager's Staffing Costs, (d) General Conditions Cost, and (e) Construction Manager's Overhead and Profit, shall not exceed the amount set forth in the agreed upon GMP. All costs or expenses that would cause this sum to exceed the GMP shall be borne by the Construction Manager unless adjusted by Owner approved change order.

(ii) Upon execution of **Exhibit D**, the Construction Manager guarantees that the <u>actual</u> Cost of the Work, Construction Manager's Contingency, Construction Manager's Staffing Costs, General Conditions Cost, and Construction Manager's Overhead and Profit, shall not exceed the guaranteed maximum for each such category and that all costs or expenses that would cause any of these individual categories to exceed the guaranteed maximum for each such category in the agreed upon GMP shall be borne by the Construction Manager unless adjusted by Owner approved change order.

(iii) Upon execution of **Exhibit D**, the Construction Manager certifies that all factual unit

costs supporting the GMP proposal are accurate, complete and current at the time of negotiations; and that any other factual unit costs that may be furnished to the Owner in the future to support any additional amounts that may be authorized will also be accurate and complete. Payments to the Construction Manager shall be reduced if the Owner determines such amounts were originally included due to materially inaccurate, incomplete, or non-current factual unit costs.

(iv) Upon execution of **Exhibit D**, the Construction Manager guarantees that to the extent the accepted GMP includes contingency, use of contingency shall be approved by Owner by change order or additional services authorization prior to expenditure by the Construction Manager.

3.6 Construction Services

3.6.1 Trade Contractor Selection Bidding and Negotiation

3.6.1.1 In accordance with Owner's policies on the subject in effect at the time Construction Manager commences construction, the Construction Manager shall prepare and assemble document packets for use in bidding subcontracts. Such packaging of the Work shall be broken down to maximize both competition and the involvement of small businesses in accordance with Owner's goals enumerated in Section 8.8 hereof.

3.6.1.2 The Construction Manager shall develop subcontractor and supplier interest for each division of the Work. The Construction Manager shall pre-qualify proposed subcontractors using a pre- qualification form approved by the Owner and Professional, which shall include, at a minimum, proof of licensure where applicable.

3.6.1.3 The Construction Manager shall, in accordance with Owner's policy in effect at the time the Construction Manager commences construction, competitively bid each trade category or, if approved by Owner, negotiate for the performance of a particular trade category.

3.6.1.4 The Construction Manager shall use its best efforts to obtain bids which are less than the final GMP estimates.

3.6.1.5 The Construction Manager shall conduct bid openings in the presence of the Owner's representative. The Construction Manager shall provide the Owner with a copy of its preliminary bid tabulation and copies of all bids.

3.6.1.6 The Construction Manager shall, for each subcontract, trade or bid division:

(i) determine the final bid amounts, having reviewed and clarified the scope of Work in detail with bidders to determine which bids are the lowest bids and are complete but do not include duplicate scope items;

(ii) prepare and furnish to the Owner a final bid tabulation summary which includes by subcontract, trade and for bid division, the applicable final GMP estimate and the related final bid amount and the details of all scope clarifications, copies of subcontractor contracts and purchase orders for Owner's review and approval;

(iii) if requested by Owner, provide a list of all potential Owner Direct Purchase Materials (hereinafter defined);

(iv) identify to the Owner in writing the subcontractors to which the Construction Manager recommends award of subcontracts; and

(v) award and enter into a subcontract between itself and each subcontractor which it has recommended in accordance with this Agreement unless otherwise notified by the Owner.

3.6.1.7 No portion of the Work may be performed by the Construction Manager or its affiliates except with Owner's approval in accordance with Owner's policies on the subject in

effect at the time the Construction Manager commences construction.

3.6.1.8 The Construction Manager shall award Trade Contracts representing ninety percent (90%) of the Cost of the Work or more, within the timeframe outlined in **Exhibit D**.

3.6.1.9 The Construction Manager shall promptly inform the Owner in writing of any proposed replacements to the list of subcontractors and suppliers in the final bid tabulation sheet provided to Owner, the reasons therefore, and the name(s) and qualification(s) of proposed replacement(s). The Owner shall have the right, in its reasonable discretion, to reject any proposed replacement if such proposed replacement fails to meet any criteria or requirements established for subcontractors performing such portion of, or for, the Work.

3.6.2 Construction Supervision

3.6.2.1 Commencing with the award of the first subcontract and terminating on the date of Final Completion, the Construction Manager shall provide the services described herein.

3.6.2.2 The Construction Manager shall, as the Owner's construction representative during construction, advise and consult with the Owner and the Professional, and provide administration of the Construction Documents.

3.6.2.3 The Construction Manager shall supervise and direct the Work at the Site. The Construction Manager shall, at a minimum, staff the Project Site with personnel who shall:

(i) supervise and coordinate the Construction Manager's personnel and act as its primary liaison with the Owner and the Professional;

(ii) coordinate trade contractors and suppliers, and supervise Site construction management services;

(iii) be familiar with all trade divisions and trade contractors' scopes of Work, all applicable building codes and standards, and the Contract for Construction;

(iv) check, review, coordinate and distribute shop drawings and check and review materials delivered to the Site, regularly review the Work to determine its compliance with the Construction Documents and the Contract for Construction, confer with the appropriate Owner's consultant(s) as necessary to assure acceptable levels of quality;

(v) prepare and maintain Project records, including process documents and daily logs;

(vi) schedule and conduct weekly progress meetings with subcontractors to review such matters as jobsite safety, job procedures, construction progress, schedule, shop drawing status and other information as necessary and provide notification of, and minutes from, such meetings to Owner and Professional;

(vii) schedule and conduct progress meetings as agreed with the Owner and Professional to review such matters as construction progress, schedule, shop drawing status, and other information as necessary;

(viii) make provision for Project security to protect the Project site and materials stored off- site against theft, vandalism, fire and accidents as required by the General Terms and Conditions.

(ix) promptly reject any Work which does not conform to the Construction Documents or which does not comply with any applicable law, statute, building code, rule or regulation of any public authority or agency of which it is aware, immediately notifying the Professional and the Owner in writing when it has rejected any Work;

(x) comply with, and cause its subcontractors and suppliers to comply with, the Project Construction Schedule and applicable sub-schedules. The Construction Manager shall obtain and review schedules from subcontractors and suppliers, coordinate sub-schedules with the Construction Schedule, and enforce compliance

with the all applicable schedules to insure timely completion of the Work. If at any time the Project is delayed, the Construction Manager shall immediately notify the Owner and the Professional of the probable cause(s) and possible alternatives and make recommendations to minimize expense and delay to the Owner; and

(xi) provide documentation necessary to the Professional for, and otherwise assist the Professional with, the preparation of the final "as-built" or record drawings.

3.6.2.4 In accordance with Owner's agreement with the Professional working on the Project, the Professional will visit the Project Site at intervals appropriate to the stage of construction to familiarize itself with the progress and quality of the Work and to inspect the Work. The Construction Manager shall request that the Professional visit the Site at additional times as the Construction Manager deems necessary to attend meetings, inspect the Work, and render interpretations regarding the Work necessary for the proper execution of the Work. The Professional's interpretations and decisions after conferring with the Owner shall be final regarding the Construction Documents and the Work.

3.6.3 Owner Direct Purchase Program. The Owner may elect to implement an owner direct purchase program whereby it may purchase materials and equipment included in any Subcontractor's bid for a portion of the Work directly from the supplier of such materials or equipment in order to achieve sales tax savings. Such materials and equipment are referred to as "Owner Direct Purchase Materials." If Owner elects to implement an owner direct purchase program, it shall so notify Construction Manager in writing, and the terms of this paragraph shall govern, along with Owner's policies on the subject in effect at the time Construction Manager commences construction of the Project. Construction Manager shall submit to the Owner a list of appropriate materials and equipment that exceed \$5,000 per purchase requisition for consideration by the Owner as Owner Direct Purchase Materials. Construction Manager shall obtain Builder's Risk insurance on the Owner Direct Purchase Materials naming Owner as the insured or an additional insured, provided Owner shall reimburse Construction Manager for the cost of such insurance as provided by this Agreement. Construction Manager shall be responsible for safeguarding all Owner Direct Purchase Materials on the Project site on Owner's behalf.

3.6.4 If Owner elects to purchase any Owner Direct Purchase Materials, it shall so notify the Construction Manager and the Construction Manager shall thereafter promptly furnish to the Owner, at least fourteen (10) days prior to the date such Owner Direct Purchase Materials must be ordered, a direct purchase order request on Florida Poly DPO form reflecting the approved Owner Direct Purchase Materials. A change order shall be executed both to reduce the Guaranteed Maximum Price by the amount(s) being directly purchased including related sales tax. The sales tax will remain in the GMP and be moved to Owner contingency once the DPO has been paid in full. In addition, the Construction Manager shall reduce the applicable Subcontractor's subcontract amount by the cost of the Owner Direct Purchase Materials and sales tax related thereto on the next application for payment following the change order execution to reduce the Guaranteed Maximum Price.

3.6.5 Reporting. The Construction Manager shall provide a monthly report **on Thumb-Drive** summarizing the progress of the Project to the Owner, Professional, and Owner's user group representatives, including information on the subcontractors' Work, percentage of completion of the Work, current estimating, subcontract buyouts, updated monthly Critical Path Method scheduling unless stated otherwise in Exhibit F and Project accounting reports, including projected time to completion and estimated cost to complete the Work, LEED status, digital progress photographs, project directory, logs for Requests for Information, submittals and shop drawings, Change Orders, cost change proposals, field directives, safety meetings, deficiencies, weather conditions and meeting minutes. Owner recognizes that the Design Professional is ultimately responsible for the administration and submittal of all documentation provided by the Construction Manager and required by the U.S. Green Building Council for LEED certification.

ARTICLE 4 COMPENSATION OF CONSTRUCTION MANAGER

4.1 Payment for Pre-Construction Services. The Owner agrees to pay the Construction Manager, and the Construction Manager shall accept as complete payment for performance of Pre-Construction Services, the fee set forth on **Exhibit E**, payable pursuant to the schedule set forth thereon.

4.2 Payment for Construction Services.

4.2.1 The Owner shall pay, and the Construction Manager shall accept, as full and complete payment for the Construction Services, only the sum of the following items, which sum shall not exceed the GMP:

(i) the aggregate net cost directly paid by the Construction Manager to subcontractors pursuant to written subcontracts to perform the Work (CSI Divisions 2–17) (the "Cost of the Work"), not to exceed the guaranteed maximum set forth on **Exhibit D**;

(ii) the compensation for the Construction Manager's provision of management services (the "Construction Manager's Staffing Costs"), not to exceed the guaranteed maximum set forth on **Exhibit D**;

(iii) the aggregate net cost of the Construction Manager's General Conditions (the "General Conditions Cost"), not to exceed the guaranteed maximum set forth on **Exhibit D** and paid for actual cost incurred during the construction period; and

(iv) Construction Manager's Overhead and Profit, not to exceed the guaranteed maximum set forth on Exhibit D.

4.2.2 Staffing Costs. Construction Manager's Staffing Costs include and are limited to actual expenditures or negotiated amounts for the following items as authorized in the GMP Proposal approved by Owner

(i) the cost of its supervisory, technical, administrative and clerical personnel engaged in supervision and management of the Work on the Project Site;

(ii) the cost of periodic site visits for supervision, inspection, oversight, or management of the Project by specific "home office" personnel as agreed upon and identified in the GMP proposal;

(iii) direct costs incurred in the Work with the exception of those specifically enumerated compensable as a General Conditions Cost or a Cost of the Work;

(iv) reasonable expenses for transportation, meals, and temporary lodging of principals and employees when traveling in connection with services and duties specifically related to this Project, at the rates set forth as specified in §112.061, Florida Statutes, for meals and transportation. In accordance with Owner travel policy, when the single room rate exceeds \$150 per night, a written justification explaining why a more economical room was not used is required. Justification must be accompanied by a comparison of other comparable hotel rates in the same area;

(v) expenses incurred for relocation and temporary living allowances of personnel required for the Work, if required by the Project; and

(vi) any costs or expenses incurred by the Construction Manager, not included in the General Conditions Cost, for provision of management services necessary to complete the Project in an expeditious and economical manner consistent with the Contract for Construction and the best interests of Owner.

4.2.3 General Conditions Costs. General Conditions costs include and are limited to actual expenditures or negotiated amounts for the following items as authorized in the GMP Proposal approved by Owner:

(i) costs, including transportation and storage, installation, maintenance, dismantling and

removal of materials, supplies, temporary facilities, machinery, equipment, and hand tools not customarily owned by construction workers, that are provided by the Construction Manager at the site and fully consumed in the performance of the Work; and cost (less salvage value) of such items if not fully consumed, whether sold to others or retained by the Construction Manager. Cost for items previously used by the Construction Manager shall mean fair market value;

(ii) costs incurred to provide sitesafety;

(iii) costs of removal of debris from the site;

(iv) costs of document reproduction including bid sets, facsimile transmissions and longdistance telephone calls, postage and parcel delivery charges, telephone service at the site and reasonable petty cash expenses of the site office;

(v) that portion of insurance and bond premiums directly attributable to this Contract for Construction. Premiums shall be net of trade discounts, volume discounts, dividends and other adjustments;

(vi) sales, use, or similar taxes imposed by a governmental authority and paid by the Construction Manager, and directly related to the Work;

(vii) fees and assessments for the building permit and for other permits, licenses and inspections for which the Construction Manager is required by the Contract for Construction to pay, including deposits lost for causes other than Construction Manager's fault;

(viii) data processing costs directly related to the Work and as approved by Owner in writing;

- (ix) the cost of obtaining and using all utility services required for the Work;
- (x) the cost of crossing or protecting any public utility, if required, and as directed by the Owner;

(xi) all reasonable costs and expenditures necessary for the operation of the Site office, such as stationary, supplies, furniture, fixtures, office equipment and field computer services provided that quantity and rates are subject to Owner's prior written approval;

(xii) the cost of secure off-site storage space or facilities approved in advance by Owner;

(xiii) printing and reproduction of the Construction Documents;

(xiv) rental charges for temporary facilities, and for machinery, equipment, and tools not customarily owned by construction workers; however any rental charge shall not exceed the purchase price of such facilities, machinery, equipment or tools;

(xv) cost of surveys, measurements and layout work reasonably required for the execution of the Work or by the Construction Documents; and

(xvi) other expenses or charges properly incurred and paid in the prosecution of the Work, with the prior written approval of the Owner.

4.2.4 Construction Manager's Overhead and Profit. The Construction Manager's Overhead and Profit is a fixed percentage of the (i) Guaranteed Maximum Cost of the Work, (ii) Construction Manager's Contingency, (iii) Guaranteed Maximum Construction Manager Staffing Costs and (iv) Guaranteed Maximum General Conditions Cost (<u>excluding</u> bond and insurance costs), as agreed upon in **Exhibit D**. Overhead and Profit covers the costs of all of Construction Manager's overhead and expenses related to the Work, including home or branch office employees or consultants not at the Project Site, except those staffing costs paid pursuant to Section 4.2.2(ii) and general operating expenses of the Construction Manager's principal and branch offices related to the Work (non-field offices), such as telegrams, telephone service and long-distance and zone telephone charges, postage, office supplies, expressage, and other similar expenses.

4.2.5 Construction Manager's Contingency.

4.2.5.1 The Construction Manager's Contingency, established in the GMP, may be utilized, with the Owner's concurrence, via "no cost" change order for the following reasons:

(i) Errors and omissions in the Construction Manager's bidding and scoping processes;

- (ii) reasonable schedule recovery;
- (iii) means, methods, and materials reasonably inferred from the Construction Documents;
- (iv) subcontractor non-performance or default;

(v) Work not included in the Construction Documents which is necessary to cause the Project to conform to applicable building codes but was not identified as missing during the review of Construction Documents (through no fault of the Construction Manager);

(vi) other costs incurred by the Construction Manager that are not Cost of the Work,

General Conditions Cost or Construction Manager Staffing Costs; and

(vii) costs and expenses incurred by the Construction Manager, not included in the General Conditions Cost, for provision of management services necessary to complete the Project in an expeditious and economical manner consistent with this Agreement and the best interests of Owner.

(viii) legal costs reasonably and properly resulting from prosecution of the Project for the Owner, including handling claims for changes by Subcontractors and Vendors, subject to the following limitations:

(a) The Owner approved incurring such cost in advance, which approval shall not be unreasonably denied; and

(b) The legal costs were not incurred as a result of the Construction Manager's own negligence or default.

This paragraph does not provide for payment of legal cost incurred in preparing or asserting claim or request by Construction Manager itself for change orders or in enforcing the obligations of this contract.

4.2.5.2 If upon completion of 75% of the Work, the remaining amount of contingency exceeds one- half of the amount of the initial post-buyout contingency, Owner may make a request to Construction Manager to transfer such excess including related overhead and profit via change order to the Owner and upon mutual agreement Construction Manager may transfer such excess or another mutually agreed upon amount to Owner.

4.2.6 Buyout Savings.

(i) If Construction Manager receives bids for portions of the Work which are less than the amounts budgeted in the GMP proposal approved by Owner for such portions of the Work, such buyout savings shall first be utilized to offset shortfalls on other bid packages.

(ii) If, after offsetting any shortfalls, buyout savings remain, at the time provided on **Exhibit D** for the award of subcontracts, Owner may, at its sole discretion, direct Construction Manager to return all buyout savings including related overhead and profit to the Owner via "no cost" change order.

4.2.7 Use of Buyout Savings Sales Tax Savings. The net amount of buyout savings and savings from Owner's purchase of Direct Purchase Materials may be utilized by the Owner for the following or other reasons:

- (i) customer or designer-requested changes;
- (ii) additive bid alternates and deductive credits;

(iii) design errors or omissions in the Construction Documents which were not detected by the Construction Manager through no fault of Construction Manager, including Work necessary to cause the Project to conform to applicable building codes;

(iv) differing unforeseen existing conditions, as permitted in the General Terms and

Conditions;

(v) retained by Owner for future projects and not part of this contract.

4.2.8 Compensation for Change Orders. Construction Manager shall be entitled to compensation for Additional Services it provides, at the amounts agreed to by Construction Manager and Owner, in writing, prior to performing such additional services. Amounts owed by the Owner to the Construction Manager shall be adjusted by duly authorized change order in accordance herewith and the General Terms and Conditions. Upon performance of additional services, Construction Manager shall submit to Owner an Application for Payment with each additional service identified beneath the basic service milestones, or on a continuation page as required, associated monetary value, and appropriate back-up documentation in preparation for an audit thereof. In addition to Change Orders for Additional Services, Construction Manager shall be entitled to submit a request for an equitable adjustment to the GMP for impacts beyond its reasonable control, such as: (i) delays beyond Construction Manager's reasonable control, so long as CM is otherwise in compliance with all responsibilities and obligations on the Project (ii) a change in applicable law, (iii) a written interpretation modifying the Contract Documents, and (iv) down time after an order from the Owner directing Construction Manager to stop the Work that is documented by Construction Manager and agreed-to by Owner as a construction delay.

4.2.8.1 Increase in Cost of Work. If the Cost of the Work is increased by change order, the Owner shall pay the Construction Manager the aggregate net cost directly paid by the Construction Manager to subcontractors or suppliers for the performance of the Work and the Construction Manager shall receive Overhead and Profit on such amount, as a percentage as set forth in **Exhibit E**, and an amount for any increased bond and insurance costs associated therewith.

4.2.8.2 Decrease in Cost of Work. If the Cost of the Work is decreased by change order, payment due from the Owner to the Construction Manager including related overhead and profit shall be reduced by the amount the Construction Manager is no longer obligated to pay subcontractors or suppliers for performance of the Work. Decreases in the Cost of the Work shall inure to the benefit of the Owner and shall not become part of the Construction Manager's Contingency.

4.2.8.3 Change Order Disputed. If the Construction Manager disputes a change order decision pursuant to the General Terms and Conditions, it must give the Owner its written notice of dispute, including the reasons therefore, within seven (7) calendar days of the disputed decision.

4.2.9 Applications for Payment for the Work. Applications for payment shall be submitted in detail sufficient for an audit thereof in accordance with Owner's policies on the subject in effect at the time Construction Manager commences construction. The Construction Manager's accounts receivable representative will coordinate with the Facilities Project Manager, (863) 874–8600, who is the University representative for processing accounts payable business documents, and prior to the first payment application, to assure the University receives the Division and Section data in an acceptable format following the Construction Specifications Institute (CSI) format, Divisions 1 - 17. Within twenty (20) days of receipt of the Construction Manager's application for payment, properly prepared pursuant to Owner's policies on the subject and request provided herein, the O w n e r shall pay the Construction Manager the amount approved by Professional, less retainage as defined in **Exhibit E**, unless there is a dispute about the amount of compensation due to the Construction Manager.

4.2.9.1 At Owner's discretion, retainage may be reduced at designated stage of completion as defined in **Exhibit E**.

4.3 Labor Burden. For purposes of calculating amounts due to Construction Manager under this Agreement for staffing, the parties agree that Construction Manager's labor burden for each employee staffing the Project shall be the labor burden approved by the Owner prior to, or upon execution of, this Agreement. For purposes hereof, labor burden means the actual cost of benefits and taxes that Construction Manager must pay or chooses to pay its employees and shall not include any profit, markup or expense unrelated to employee compensation. With respect to benefits Construction Manager chooses to pay, such benefits must be authorized by Owner under Owner's policy pertaining to labor burden in order to receive reimbursement from Owner.

4.4 Vendor Ombudsman. A Vendor Ombudsman has been established within the Owner's Office of Business Affairs. The duties of this individual include acting as an advocate for vendors who may be experiencing problems in obtaining timely payment(s) from the Owner. The Vendor Ombudsman may be contacted at 863–874–8432.

ARTICLE 5 LIQUIDATED DAMAGES FOR DELAY

5.1 Inasmuch as failure to Substantially Complete the Work within the time fixed on **Exhibit D** will result in injury to the Owner, and as damages arising from such failure cannot be calculated with any degree of certainty, it is agreed that if the Work is not Substantially Completed within the time provided on **Exhibit D**, or within such further time, if any, as shall be allowed for time extensions in accordance with the provisions of the Contract for Construction, the Construction Manager shall pay to the Owner as liquidated damages for such delay, and not as a penalty, the amount set forth in **Exhibit E** for each calendar day elapsing between the date fixed for Substantial Completion and the date such Substantial Completion is fully accomplished. The parties agree that said liquidated damages are reasonable given existing circumstances, including, without limitation, the range of harm that is foreseeable and the anticipation that proof of damages would be costly and impractical.

5.2 The liquidated damages shall be payable in addition to any excess expenses or costs payable by the Construction manager to the Owner under the General Terms and Conditions, and shall not preclude the recovery of damages by the Owner under other provisions of the Contract for Construction, except claims related to Construction Manager's delays in Substantial Completion. Owner's right to receive liquidated damages shall in no manner affect the Owner's right to terminate the Contract for Construction, as provided in the General Terms and Conditions or elsewhere in the Contract for Construction. The Owner's exercise of the right to terminate shall not release the Construction Manager from the obligation to pay said liquidated damages.

5.3 When the Owner reasonably believes (i) that Substantial Completion will be inexcusably delayed; or

(ii) that the Construction Manager will fail to achieve Final Completion by the date of Final Completion, the Owner shall be entitled, but not required, to withhold from any amounts otherwise due the Construction Manager the daily amount specified for liquidated damages in this Article for each calendar day of the unexcused delay. If and when the Construction Manager overcomes the delay in timely achieving Substantial Completion or Final Completion, or any part thereof, for which the Owner has withheld payment, the Owner shall promptly release to the Construction Manager those funds withheld, but no longer applicable, as liquidated damages.

ARTICLE 6 INSURANCE AND BONDS

6.1 The Construction Manager shall carry the insurance and payment and performance bonds described in the General Terms and Conditions.

ARTICLE 7 AUDIT RIGHTS

7.1 Owner may, upon reasonable notice, audit the records of its Construction Manager and its subcontractors and suppliers during regular business hours, during the term of this Agreement and for a period of three (3) years after final payment is made by Owner to Construction Manager under this Agreement or longer, if required by law. Such audits may be performed by an Owner's representative or an outside representative engaged by Owner. Once agreed upon by Owner and Construction Manager, any billable rates, fixed rates, percentages, or multipliers in the Contract Documents, including the GMP Proposal shall be auditable only to confirm their proper application and may not be audited to review or confirm their composition."

7.2 For purposes hereof, Construction Manager's "records" means any and all information, materials and data of every kind and character, whether hard copy or in electronic form, which may, in Owner's judgment have any bearing on or pertain to this Contract for Construction, including, without limitation, books, subscriptions, recordings, agreements, purchase orders, leases, contracts, commitments, arrangements, notes, daily diaries, written policies and procedures, time sheets, payroll registers, payroll records, cancelled payroll checks, subcontract files (e.g., including proposals of successful and unsuccessful bidders, bid recap), original estimates, estimating work sheets, correspondence, change order files (including documentation covering negotiated settlements), back-charge logs and supporting documentation, invoices and related payment documentation, general ledgers, records detailing cash and trade discounts earned, insurance rebates and dividends, superintendent reports, drawings, receipts, vouchers and memoranda.

7.3 Owner's authorized representative shall have reasonable access to the Construction Manager's facilities, shall be allowed to interview all current or former employees to discuss matters pertinent to this Contract for Construction, shall be provided adequate and appropriate work space at Construction Manager's facilities, may count employees at the Site, may be present for the distribution of payroll and shall have such other rights of access as may be reasonably necessary to carry out an audit.

7.4 If an audit discloses overpricing or overcharges, Construction Manager shall refund the overpayment. If an audit discloses overpricing or overcharges of one percent (1%) of the total amount paid hereunder, but in any event more than \$200,000, whichever is less, in addition to making adjustments for the overcharges, the reasonable actual cost of the Owner's audit shall be reimbursed to the Owner by the Construction Manager. Any adjustments and for payments that must be made as a result of any such audit or inspection of the Construction Manager's invoices and for records shall be made within ninety (90) calendar days from presentation of Owner's findings to Construction Manager.

7.5 Construction Manager shall ensure notice of Owner's audit rights is provided to its subcontractors, suppliers and any other vendor providing services or materials for the Project and shall ensure that each agreement it enters into pursuant hereto includes the provisions

ARTICLE 8 MISCELLANEOUS PROVISIONS

8.1 The Owner and Construction Manager respectively, bind themselves, their partners, successors, assigns and legal representatives to the other party to this Agreement and to the partners, successors, assigns and legal representatives of such other party with respect to all covenants of this Agreement. Neither Owner nor Construction Manager shall assign this Agreement without the written consent of the other.

8.2 The Contract for Construction shall be governed by, and construed under, the laws of the State of Florida, without regard to its choice of law provisions and venue shall lie in the courts in Polk County, Florida.

8.3 The Construction Manager represents and warrants that it has not employed or retained any company or person (other than a bona fide employee working solely for the Construction Manager) to solicit or secure this Agreement, and that it has not paid or agreed to pay any person, company, corporation individual or firm (other than a bona fide employee working solely for the Construction Manager) any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Agreement.

8.4 This Agreement may be unilaterally canceled by the Owner for refusal by the Construction Manager to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Construction Manager in conjunction herewith.

8.5 Owner's performance and obligation to pay hereunder is contingent upon an annual appropriation by the Legislature.

8.6 The Construction Manager warrants that it is not on the convicted vendor list for a public entity crime committed within the past thirty six (36) months. The Construction Manager further warrants that it will neither utilize the services of, nor contract with, any supplier, subcontractor, or consultant for an amount in excess of \$15,000.00 in connection with this Project if the supplier, subcontractor or consultant has been placed on the convicted vendor list within the past thirty six (36) months.

8.7 All capitalized terms used herein but not defined herein shall have the meaning ascribed thereto in the General Terms and Conditions.

8.8 Owner is an equal opportunity institution and, as such, encourages the use of small businesses, including women and minority–owned small businesses in the provision of construction related services. Small businesses should have a fair and equal opportunity to compete for dollars spent by the University of West Florida to procure construction– related services. Competition ensures that prices are competitive and a broad vendor base is available. Construction Manager shall use good faith efforts to ensure opportunities are available to small businesses including women and minority–owned businesses on the Project.

8.9 Building information modeling (BIM) models will be made available to the Construction Manager as described in **Exhibit A.**

8.10 Construction Manager is an independent contractor to Owner.

8.11 All exhibits referenced herein are attached hereto and incorporated herein by reference.

8.12 Any modifications to this Agreement or the Contract for Construction are set forth on Exhibit F.

END

IN WITNESS WHEREOF, the parties have affixed their signatures, effective on the date first written above. FOR THE CONSTRUCTION MANAGER:

USA BUTT	
ATTEST:	Skanska USA Building Inc.
(CORPORATE SEAL)	BY: Chuck Jablon
AS WITNESSED BY: Melanie Tavares	TITLE: Sr. VP Operations DATE: (0/29/20/8

FOR THE OWNER:

THE FLORIDA POLYTECHNIC UNIVERSITY BOARD OF TRUSTEES

AS WITNESSED BY:

BY: MAQNE

ava Manone 1-2-18

Dr. Randy Avent, President on behalf of the University Board of Trustees

DATE: 7/2/18

Approved as to form and legality: Wel Mill 712/18 FPU Attorney

EXHIBITS

The following exhibits will be created as a part of the final Agreement for Construction Manager Services.

- **Exhibit A** description of the project.
- **Exhibit B** preliminary schedule.
- Exhibit C project team of the Construction Manager.
- **Exhibit D** GMP approval, payments schedule and notice to proceed.
- **Exhibit E** LEED certification, logistics and the GMP proposal.
- **Exhibit F** modifications to the Agreement.
- **Exhibit G** Remaining terms under discussion
- **Exhibit H** Pre-Construction Proposal dated June 5, 2018.

Exhibit A

The project includes the construction of an approximately 85,000 square foot teaching lab and research facility building on the existing Florida Polytechnic University campus in Polk County, Florida. The design of the project will be further developed during the preconstruction phase and a more detailed description may be provided in a revised Exhibit A attached to a GMP Amendment.

<u>Exhibit B</u>

The preliminary schedule for preconstruction phase services by Construction Manager will be developed and incorporated into this agreement via a preconstruction services amendment. The construction phase schedule will be developed during the preconstruction phase and upon approval of a GMP Proposal will be incorporated into this agreement via a GMP Amendment.

<u>Exhibit C</u>

The following people will be included in Construction Manager's preconstruction services Project team:

- Chuck Jablon- Operations Principal
- Mark McLaughlin- Project Executive
- o Paul Ventresca- Superintendent
- o Bryan Ray- Assistant Superintendent
- o Don Crotty- Lab Subject Matter Expert
- Kelsey Stein- Innovation & Technology Subject Matter Expert

<u>Exhibit D</u>

Exhibit D will be developed during the preconstruction services phase and will be attached to Construction Manager's GMP Proposal and upon approval will be incorporated into the agreement via GMP Amendment.

<u>Exhibit E</u>

Exhibit E will be developed during the preconstruction services phase and will be attached to Construction Manager's GMP Proposal and upon approval will be incorporated into the agreement via GMP Amendment.

<u>Exhibit F</u>

Exhibit F will be developed during the preconstruction services phase and will be attached to Construction Manager's GMP Proposal and upon approval will be incorporated into the agreement via GMP Amendment.

Exhibit "G"

Remaining Terms Under Discussion

Skanska USA Building Inc. ("Skanska") and Florida Polytechnic University Board of Trustees ("University") mutually agree that the following terms in the Agreement for Construction Management Services (the "Agreement") will remain under discussion and will continue to be negotiated during the preconstruction phase as the cost impact of leaving these terms unrevised are explored and the associated risks associated with these terms are further defined.

- (a) limiting the time-of-the-essence provision to specifically agreed-upon milestone dates for the Project;
- (b) establishing that the liquidated damages may be subject to an aggregate cap;
- (C) including consideration of a mutual waiver of consequential damages based on industry standard provisions;
- (d) confirming that any final decisions made by the Architect with regard to interpretations of the Contract Documents during construction are ultimately subject to dispute resolution; and
- (e) discussing whether implied warranties are appropriate in light of the express warranties and terms of the contract negotiated by the parties.

Exhibit H

Exhibit H will be developed through joint discussions and Construction Manager will submit a Preconstruction Services Proposal. Upon approval of the Preconstruction Services Proposal it will be incorporated into the agreement via a Preconstruction Services Amendment.



Skanska USA Building Inc.

4030 W. Boy Scout Blvd, Suite 200 Tampa, Florida 3307 Phone 813.267.3857 Web www.skanska.com

February 26, 2020

Mr. David Calhoun Florida Polytechnic University 4700 Research Way Lakeland, Florida 33805

Re: Applied Research Center GMP 02 (MEPF & Exterior Skin)

Dear Mr. Calhoun,

Skanska USA Building, Inc. is pleased to submit its MEPF & Exterior Skin Package Component Guaranteed Maximum Proposal - "GMP 02" - for the above referenced project, which includes all scopes of work for this portion of the work.

This Component GMP Proposal Price totals Seventeen Million Six Hundred Ninety Thousand Two Hundred Seventy Five dollars (\$17,690,275). This GMP 02 Proposal is a supplemental amendment to the Agreement for Construction Services and GMP Proposal 01.

In accordance with FPU's CM Guideline Preparation of GMP 02, we have included the following information in this deliverable:

- Description of Project and Authorization for Construction and Amendment (Exhibit A)
- Preliminary Schedule (Exhibit B)
- Proposed Project Team of Construction Manager (Exhibit C)
- GMP Approval, Payment Schedule and Notice to Proceed Assumptions, Clarifications, Value Engineering and Exclusions (Exhibit D)
- LEED Certification, Logistics and the GMP Proposal (Exhibit E)
- o Modifications to the Agreement (Exhibit F)
- Remaining Terms Under Discussion (Exhibit G)
- FPU (Initial) Bid Tabulation Forms

FPU's Bid Award & Analysis Forms and Bid Award Summary Form will be submitted when subcontractor bid leveling and buy-out is complete.

We trust the information provided herein meets the requirements of Florida Polytechnic University, and we look forward to beginning work on this exciting project.

Sincerely,

Mark McLaughlin Project Executive

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•	Proposed Project Team of Construction Manager (Exhibit C)Page	ge 43
•	GMP Approval, Payment Schedule and Notice to Proceed (Exhibit D)Page	ge 45
•	LEED Certification, Logistics and the GMP Proposal (Exhibit E)Pa	ge 61
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•	Remaining Terms Under Discussion (Exhibit G)Pa	ge 65
•	Bid Tabulation Summary SheetsPa	ge 66



Executive Summary

The attached GMP 02 proposal is based upon the following documents:

- ASI-001 dated October 18, 2019
- o ASI-002 dated November 25, 2019
- o ASI-003 dated November 21, 2019
- o 100% Permit Construction Documents dated November 01, 2019

The documents were prepared by HOK Architects and its respective consultants ("The Design Team"), and as identified on the document log provided in Exhibit A of this proposal with modifications set forth in Exhibit D and the Bid Package Specific Assumptions and Clarifications.

This GMP 02 Proposal consists of the following work scopes:

- a. General Conditions and Requirements
- b. General Requirements Trade Work
- c. Masonry
- d. Roofing
- e. Exterior Weatherscreen
- f. Metal and Concrete Rainscreen Panels
- g. Exterior Curtainwall
- h. Elevators
- i. Fire Protection
- j. HVAC
- k. Electrical
- l. Site Concrete ASI-002 (Allowance)
- m. Underground Plumbing (Allowance)

The project schedule upon which this GMP Proposal is appended to this proposal. This GMP proposal is valid for a period of 60 days after the date of this GMP Proposal.

This GMP 02 Proposal is the second of the anticipated to be three incremental GMP proposals:

- o GMP 1 Sitework/ Foundations/ Structure executed 09.23.19 for \$8,167,767
- o GMP 2 MEPF & Exterior Skin for \$17,690,275
- o GMP 3 Interior Build-Out

This proposal includes the cost of all documents, logistics plans and the project schedule in the GMP 02 value of \$17,690,275. This amends the current Applied Research Center value to \$25,858,042.

Sincerely,

Mark McLaughlin Project Executive - Skanska USA Building Inc.





AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

EXHIBIT A

PROJECT DESCRIPTION AND AUTHORIZATION FOR CONSTRUCTION AND AMENDMENT

Description of Project

FPU Project No: PC55327 FPU Project Name: Applied Research Center Locations/Address: 4400 Polytechnic Circle Description/Scope: New Teaching and Research Facility

The Project consists of the new construction of a 2 story – 95,000 GSF Laboratory, Office and Classroom building on the Florida Polytechnic University campus in Lakeland, FL. The project is known as the Applied Research Center and will offer a similar level of visual interest as the signature IST Building, which it is located adjacent to. There will be a high level of technology integration, flexibility of systems, and the need for attentiveness to architectural details. Skanska USA Building, Inc. ("Skanska") shall act as the Construction Manager for the Project and coordinate the work of multiple subcontractors in order to complete the structure of the building. The scope of construction within Skanska's GMP 02 is limited to the work necessary to facilitate a complete envelope enclosure and the MEPF scopes of the Applied Research Center, per the list of documents shown below. Scope also includes the early completion of the Shop Area (Capstone Shop, Shop, and Automotive Shop) for occupancy, with limited capabilities, in the fall of 2020.

Florida Polytechnic University ("FPU") has engaged the services of HOK, Inc. to provide the design and Contract Administration Services as the "Architect" as defined in the Contract Documents.

1.6/3.3 Documents, Conditions, and Guidelines

- Owner's policies and project management guides listed under 'Forms & Standards'. To the extent that any requirements impact Skanska or its subcontractors as a result of policies or procedures that were not previously provided to Skanska notice will be provided.
- 2. Plans, Specifications, and attachments as listed in this proposal
- 3. Exclusions, Qualifications, and Assumptions included in this proposal
- 4. Skanska's Project Schedule included in this proposal
- 5. Skanska's Logistics Plan included in this proposal

This Authorization for Construction and Amendment to Agreement is made and entered into as of this 26th day of February, 2020 by and between The Florida Polytechnic University Board of Trustees ("Owner") and Skanska USA Building Inc. ("Construction Manager"),



WITNESSETH:

Whereas, the parties entered into an Agreement for Construction Manager Services dated July 2, 2018 for construction of the Project (the "Agreement");

Whereas, the Project is an <u>93,500 square foot teaching lab and research facility building commonly referred to</u> <u>as the Applied Research Center (ARC)</u>;

Whereas, the Project is being performed in phases as permitted by the Agreement;

Whereas, the Owner has executed Phase 1 on September 23, 2019;

- Whereas, Owner desires to authorize Construction Manager to commence Phase 2 of the Project; and
- Whereas, the Owner and Construction Manager desire to finalize Exhibits A through G to the Agreement and incorporate them into the Agreement as contemplated by the Agreement.
- NOW THEREFORE, for and in consideration of the covenants contained herein the parties agree as follows:
 - 1. <u>Component GMPs</u>. At Owner's request, the Construction Manager is preparing proposed GMP Amendments in components starting with an early release package, a Component Guaranteed Maximum Price ("Component GMP"), which shall be calculated and administered hereunder in the same manner as the GMP. As each Component GMP is signed by the parties, the costs and time thereunder shall be combined, as appropriate, so that there is a single GMP and only one Required Substantial Completion Date and Required Final Completion Date. Component GMPs shall not create a "line-item GMP" with respect to each component of the Work. Nor shall Component GMPs create multiple completion dates for purposes of calculating liquidated damages or otherwise.
 - 2. <u>Final Exhibits</u>. Exhibits A, B, C, D, E, F and G, attached hereto and incorporated herein by reference are the final exhibits to the Agreement. This Authorization for Construction and Amendment shall serve as <u>Exhibit A</u> to the Agreement. <u>Exhibit G</u> is hereby deleted and shall have no force or effect.
 - **3.** <u>Phase 2 of the Work</u>. Construction Manager shall commence Phase 2 (masonry, roofing, curtainwall, exterior weatherproofing, rainscreen, mechanical, electrical, plumbing, elevators, and fire protection) of the Work within ten (10) calendar days after the date indicated on the Notice to Proceed or once the building permit is received, whichever date is the latter.
 - **4.** <u>Time for Performance</u>. The date of Substantial Completion shall be: <u>646 days from the date of execution of GMP 1</u>. The date of Final Completion shall be in accordance with the Project Schedule.
 - 5. <u>Trade Contracts</u>. In accordance with Section 3.6.1.8 of the Agreement, the Construction Manager shall award Trade Contracts representing ninety percent (90%) or more of the Cost of the Work for Phase 2 within <u>ninety (90)</u> days of issuance of the Notice to Proceed for Construction Services.
 - 6. <u>GMP</u>. The Construction Manager's Guaranteed Maximum Price ("GMP") proposal dated February 26, 2020 <u>for Phase 2 of the Work</u>, attached hereto and incorporated herein, is accepted by the Owner. The elements of the GMP as described in Section 3.5.1 (ii) of the Agreement are as found in Exhibit D.
 - 7. <u>Ratification</u>. Except as modified hereby, all of the terms, covenants, and conditions of the Agreement shall remain in full force and effect and are hereby ratified and affirmed.
 - **8.** <u>Conflict</u>. In the event of a conflict between the terms of this Amendment and the Contract for Construction, the terms of this Amendment shall control.



9. <u>Capitalized Terms</u>. All capitalized terms used herein but not expressly defined herein shall have the meaning ascribed thereto in the Agreement.

<u>Choice of Law and Venue</u>. This Authorization for Construction and Amendment and any further amendments to the Agreement are governed by the law of Florida. Venue for any action arising from this Authorization for Construction and Amendment or any successive amendment will be exclusively in the state courts of Polk County, Florida.

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

UNIVERSITY:

The Florida Polytechnic University

Board of Trustees

Signature

Dr. Randy Avent Print Name

Date

CONTRACTOR: Skanska USA Building Inc.

Signature

Print Name

Date

Approved as to form and legality:

BY: David Q. Brunell Florida Poly Attorney

DATE: February 12, 2020

Approved by University Board of Trustees

DATE: _____

DRAWINGS & SKETCHES, SPECIFICATIONS, ADDENDA and OTHER DOCUMENTS

The Contract Documents include the following documents:

Drawings & Sketches

Drawing or Sketch	Description	Rev No.	Date
No.			
	GENERAL		
	COVER QUEET		11.01.10
G000	COVER SHEET	CD (Permit)	11.01.19
G001	DRAWING INDEX	CD (Permit)	11.01.19
G002	GENERAL NOTES, ABBREVIATION, SYMBOLS & LOCATION MAP	CD (Permit)	11.01.19
G004	RESTROOM AND MOUNTING HEIGHT DIAGRAMS	CD (Permit)	11.01.19
G005	REGULATORY SIGNAGE DIAGRAMS	CD (Permit)	11.01.19
G010	CODE SUMMARY	CD (Permit)	11.01.19
G101	LIFE SAFETY PLAN – LEVEL 1	CD (Permit)	11.01.19
G102	LIFE SAFETY PLAN – LEVEL 2	CD (Permit)	11.01.19
G201	EGRESS PLAN – LEVEL 1	CD (Permit)	11.01.19
G202	EGRESS PLAN – LEVEL 2	CD (Permit)	11.01.19
	CIVIL		
C001	EXISTING CONDITIONS MAP	CD (Permit)	11.01.19
C002	DEMO & EROSION CONTROL PLAN	ASI-002	11.25.19
C003	SITE PLAN	RFI #28	12.20.19
C004	PAVING, GRADING & DRAINAGE PLAN	ASI-002	11.25.19
C005	UTILITY PLAN	ASI-002	11.25.19
C006	GENERAL CONSTRUCTION DETAILS & NOTES	ASI-002	11.25.19
C007	COL UTILITY NOTES	ASI-002	11.25.19
C008	WATER DETAILS	ASI-002	11.25.19
C009	WASTEWATER DETAILS	ASI-002	11.25.19
C010	SWPPP	ASI-002	11.25.19
	LANDSCAPE		
L100	SITE PLAN	RFI #24	12.12.19
L101	ENTRY PLAZA ENLARGEMENT	CD (Permit)	11.01.19
L102	SIDE ENTRANCE ENLARGEMENTS	CD (Permit)	11.01.19
L140	SITE DETAILS	CD (Permit)	11.01.19
L300	SOILS PLAN	CD (Permit)	11.01.19
L301	PLANTING PLAN	CD (Permit)	11.01.19

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L340	PLANTING DETAILS	CD (Permit)	11.01.19
L400	IRRIGATION PLAN	CD (Permit)	11.01.19
	STRUCTURE		
S001	GENERAL STRUCTURAL NOTES	60% CD	8.15.19
S102	THRESHOLD INSPECTION PLAN	ASI-001	10.18.19
S103	STRUCTURAL SYMBOLS AND NOTATIONS	60% CD	8.15.19
S104	CLASSES OF CONCRETE MATRIX AND COVER	60% CD	8.15.19
	REQUIREMENTS		
S105	GENERAL REINFORCEMENT INFORMATION	60% CD	8.15.19
S121	LOAD KEY PLANS	ASI-001	10.18.19
S130	COMPONENTS AND CLADDING WIND PRESSURE	ASI-001	10.18.19
	DIAGRAMS		
S131	COMPONENTS AND CLADDING WIND PRESSURE	ASI-001	10.18.19
	ELEVATIONS		
S141	3D REPRESENTATIONS	ASI-001	10.18.19
S201	FOUNDATION PLAN	ASI-003	11.21.19
S201A	FOUNDATION PLAN – LEVEL 1A (PARTIAL PLAN)	ASI-003	11.21.19
S201B	FOUNDATION PLAN – LEVEL 1B (PARTIAL PLAN)	ASI-001	10.18.19
S201C	FOUNDATION PLAN – LEVEL 1C (PARTIAL PLAN)	ASI-001	10.18.19
S201D	FOUNDATION PLAN – LEVEL 1D (PARTIAL PLAN)	ASI-003	11.21.19
S201E	FOUNDATION PLAN – LEVEL 1E (PARTIAL PLAN)	ASI-003	11.21.19
S202	SECOND FLOOR FRAMING PLAN	ASI-003	11.21.19
S202A	SECOND FLOOR – LEVEL 2A (PARTIAL PLAN)	ASI-003	11.21.19
S202B	SECOND FLOOR – LEVEL 2B (PARTIAL PLAN)	ASI-001	10.18.19
S202C	SECOND FLOOR – LEVEL 2C (PARTIAL PLAN)	ASI-003	11.21.19
S202D	SECOND FLOOR – LEVEL 2D (PARTIAL PLAN)	ASI-001	10.18.19
S202E	SECOND FLOOR – LEVEL 2E (PARTIAL PLAN)	ASI-003	11.21.19
S203	ROOF FRAMING PLAN	ASI-003	11.21.19
S203A	ROOF PLAN – AREA A (PARTIAL PLAN)	ASI-003	11.21.19
S203B	ROOF PLAN – AREA B (PARTIAL PLAN)	ASI-001	10.18.19
S203C	ROOF PLAN – AREA C (PARTIAL PLAN)	ASI-003	11.21.19
S203D	ROOF PLAN – AREA D (PARTIAL PLAN)	ASI-001	10.18.19
S203E	ROOF PLAN – AREA E (PARTIAL PLAN)	ASI-003	11.21.19
S301	BRACED FRAME ELEVATIONS	ASI-001	10.18.19
S302	BRACED FRAME ELEVATIONS	60% CD	8.15.19
S303	BRACED FRAME ELEVATIONS	ASI-001	10.18.19
S304	TRUSS ELEVATIONS	60% CD	8.15.19
S401	FOUNDATION TYPICAL DETAILS	60% CD	8.15.19
S402	FOUNDATION TYPICAL DETAILS	60% CD	8.15.19
S411	FOUNDATION DETAILS	ASI-003	11.21.19
S412	FOUNDATON DETAILS	ASI-003	11.21.19
S501	FRAMING TYPICAL DETAILS	60% CD	8.15.19

S502	FRAMING TYPICAL DETAILS	60% CD	8.15.19
S503	FRAMING TYPICAL DETAILS	ASI-001	10.18.19
S504	FRAMING TYPICAL DETAILS	60% CD	8.15.19
S505	MASONRY TYPICAL DETAILS	ASI-001	10.18.19
S511	FRAMING DETAILS	ASI-001	10.18.19
S512	FRAMING DETAILS	ASI-001	10.18.19
S513	FRAMING DETAILS	ASI-003	11.21.19
S514	FRAMING DETAILS	ASI-003	11.21.19
S515	FRAMING DETAILS	ASI-003	11.21.19
S516	FRAMING DETAILS	ASI-003	11.21.19
S517	FRAMING DETAILS	ASI-003	11.21.19
S518	FRAMING DETAILS	ASI-003	11.21.19
S519	FRAMING DETAILS	ASI-003	11.21.19
S520	STAIR SECTIONS AND DETAILS	ASI-001	10.18.19
S530	ELEVATOR SECTIONS AND DETAILS	ASI-001	10.18.19
S540	CLADDING STEEL ELEVATIONS	ASI-003	11.21.19
S541	CLADDING STEEL ELEVATIONS	ASI-003	11.21.19
S542	CLADDING STEEL ELEVATIONS	60% CD	8.15.19
S543	CLADDING STEEL ELEVATIONS	ASI-003	11.21.19
S550	TRUSS DETAILS	ASI-003	11.21.19
	ARCHITECTURE		
A001	ARCHITECTURAL SITE PLAN	CD (Permit)	11.01.10
A002			11.01.19
11002			11.01.19
A003	BUILDING FOOTPRINT	CD (Permit)	11.01.19
A003 A005	BUILDING FOOTPRINT BUILDING GEOMETRY PLAN	CD (Permit) CD (Permit)	11.01.19 11.01.19
A005	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLAN	CD (Permit) CD (Permit) CD (Permit)	11.01.19 11.01.19 11.01.19
A005 A101	BUILDING FOOTPRINT BUILDING GEOMETRY PLAN RADON MITIGATION PLAN COMPOSITE PLAN – LEVEL 1	CD (Permit) CD (Permit) CD (Permit) CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19
A005	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLAN	CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOF	CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)	CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)	CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B A201C	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)	CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)	CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit) CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B A201C A201D	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)	CD (Permit)CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B A201C A201E	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)	CD (Permit)CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B A201C A201D A201E A202A	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)FLOOR PLAN – LEVEL 2A (PARTIAL PLAN)	CD (Permit)CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B A201C A201D A201E A202A A202B	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)FLOOR PLAN – LEVEL 2A (PARTIAL PLAN)FLOOR PLAN – LEVEL 2B (PARTIAL PLAN)	CD (Permit)CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B A201C A201D A201E A202A A202C	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)FLOOR PLAN – LEVEL 2A (PARTIAL PLAN)FLOOR PLAN – LEVEL 2B (PARTIAL PLAN)FLOOR PLAN – LEVEL 2B (PARTIAL PLAN)FLOOR PLAN – LEVEL 2C (PARTIAL PLAN)	CD (Permit)CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B A201C A201D A201E A202A A202B A202D	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 2A (PARTIAL PLAN)FLOOR PLAN – LEVEL 2B (PARTIAL PLAN)FLOOR PLAN – LEVEL 2B (PARTIAL PLAN)FLOOR PLAN – LEVEL 2D (PARTIAL PLAN)FLOOR PLAN – LEVEL 2D (PARTIAL PLAN)	CD (Permit)CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19
A005 A101 A102 A103 A201A A201B A201C A201D A201E A202A A202C A202E	BUILDING FOOTPRINTBUILDING GEOMETRY PLANRADON MITIGATION PLANCOMPOSITE PLAN – LEVEL 1COMPOSITE PLAN – LEVEL 2COMPOSITE PLAN – ROOFFLOOR PLAN – LEVEL 1A (PARTIAL PLAN)FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)FLOOR PLAN – LEVEL 2A (PARTIAL PLAN)FLOOR PLAN – LEVEL 2B (PARTIAL PLAN)FLOOR PLAN – LEVEL 2D (PARTIAL PLAN)FLOOR PLAN – LEVEL 2C (PARTIAL PLAN)FLOOR PLAN – LEVEL 2D (PARTIAL PLAN)FLOOR PLAN – LEVEL 2E (PARTIAL PLAN)	CD (Permit)CD (Permit)	11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19 11.01.19

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A203D	ROOF PLAN – AREA D (PARTIAL PLAN)	CD (Permit)	11.01.19
A203E	ROOF PLAN – AREA E (PARTIAL PLAN)	CD (Permit)	11.01.19
A221	COMPOSITE FINISH PLAN – LEVEL 1	CD (Permit)	11.01.19
A221A	FINISH PLAN – LEVEL 1A (PARTIAL PLAN)	CD (Permit)	11.01.19
A221B	FINISH PLAN – LEVEL 1B (PARTIAL PLAN)	CD (Permit)	11.01.19
A221C	FINISH PLAN – LEVEL 1C (PARTIAL PLAN)	CD (Permit)	11.01.19
A221D	FINISH PLAN – LEVEL 1D (PARTIAL PLAN)	CD (Permit)	11.01.19
A221E	FINISH PLAN – LEVEL 1E (PARTIAL PLAN)	CD (Permit)	11.01.19
A222	COMPOSITE FINISH PLAN – LEVEL 2	CD (Permit)	11.01.19
A222A	FINISH PLAN – LEVEL 2A (PARTIAL PLAN)	CD (Permit)	11.01.19
A222B	FINISH PLAN – LEVEL 2B (PARTIAL PLAN)	CD (Permit)	11.01.19
A222C	FINISH PLAN – LEVEL 2C (PARTIAL PLAN)	CD (Permit)	11.01.19
A222D	FINISH PLAN – LEVEL 2D (PARTIAL PLAN)	CD (Permit)	11.01.19
A222E	FINISH PLAN – LEVEL 2E (PARTIAL PLAN)	CD (Permit)	11.01.19
A231	LEVEL 1 FURNITURE PLAN	CD (Permit)	11.01.19
A231A	FURNITURE PLAN – LEVEL 1A (PARTIAL PLAN)	CD (Permit)	11.01.19
A231B	FURNITURE PLAN – LEVEL 1B (PARTIAL PLAN)	CD (Permit)	11.01.19
A231C	FURNITURE PLAN – LEVEL 1C (PARTIAL PLAN)	CD (Permit)	11.01.19
A231D	FURNITURE PLAN – LEVEL 1D (PARTIAL PLAN)	CD (Permit)	11.01.19
A231E	FURNITURE PLAN – LEVEL 1E (PARTIAL PLAN)	CD (Permit)	11.01.19
A232	LEVEL 2 FURNITURE PLAN	CD (Permit)	11.01.19
A232A	FURNITURE PLAN – LEVEL 2A (PARTIAL PLAN)	CD (Permit)	11.01.19
A232B	FURNITURE PLAN – LEVEL 2B (PARTIAL PLAN)	CD (Permit)	11.01.19
A232C	FURNITURE PLAN – LEVEL 2C (PARTIAL PLAN)	CD (Permit)	11.01.19
A232D	FURNITURE PLAN – LEVEL 2D (PARTIAL PLAN)	CD (Permit)	11.01.19
A232E	FURNITURE PLAN – LEVEL 2E (PARTIAL PLAN)	CD (Permit)	11.01.19
A301	COMPOSITE REFLECTED CEILING PLAN – LEVEL 1	CD (Permit)	11.01.19
A301A	REFLECTED CEILING PLAN – LEVEL 1A (PARTIAL	CD (Permit)	11.01.19
	PLAN)	~ /	
A301B	REFLECTED CEILING PLAN – LEVEL 1B (PARTIAL	CD (Permit)	11.01.19
	PLAN)	~ /	
A301C	REFLECTED CEILING PLAN – LEVEL 1C (PARTIAL	CD (Permit)	11.01.19
	PLAN)		
A301D	REFLECTED CEILING PLAN – LEVEL 1D (PARTIAL	CD (Permit)	11.01.19
	PLAN)		
A301E	REFLECTED CEILING PLAN – LEVEL 1E (PARTIAL	CD (Permit)	11.01.19
	PLAN)		
A302	COMPOSITE REFLECTED CEILING PLAN – LEVEL 2	CD (Permit)	11.01.19
A302A	REFLECTED CEILING PLAN – LEVEL 2A (PARTIAL	CD (Permit)	11.01.19
	PLAN)		
A302B	REFLECTED CEILING PLAN – LEVEL 2B (PARTIAL	CD (Permit)	11.01.19
	PLAN)		
A302C	REFLECTED CEILING PLAN – LEVEL 2C (PARTIAL	CD (Permit)	11.01.19
	PLAN)		

A302D	REFLECTED CEILING PLAN – LEVEL 2D (PARTIAL PLAN)	CD (Permit)	11.01.19
A302E	REFLECTED CEILING PLAN – LEVEL 2E (PARTIAL PLAN)	CD (Permit)	11.01.19
A401	ENLARGED STAIR PLAN	CD (Permit)	11.01.19
A402	ENLARGED STAIR PLAN	CD (Permit)	11.01.19
A421	ENLARGED ELEVATOR HOISTWAY PLAN	CD (Permit)	11.01.19
A422	ENLARGED ELEVATOR PLAN & ELEVATIONS	CD (Permit)	11.01.19
A431	ENLARGED RESTROOM PLAN	CD (Permit)	11.01.19
A433	ENLARGED PLANS	CD (Permit)	11.01.19
A501	AXONOMETRIC	CD (Permit)	11.01.19
A502	AXONOMETRIC	CD (Permit)	11.01.19
A503	NORTH AND SOUTH ELEVATIONS	CD (Permit)	11.01.19
A504	EAST AND WEST ELEVATION	CD (Permit)	11.01.19
A505	PARTIAL EXTERIOR ELEVATION – NORTH	CD (Permit)	11.01.19
A506	PARTIAL EXTERIOR ELEVATION – ENTRY PLAZA	CD (Permit)	11.01.19
A507	PARTIAL EXTERIOR ELEVATION – SOUTH – EAST	CD (Permit)	11.01.19
A521	CURTAIN WALL ELEVATIONS	CD (Permit)	11.01.19
A522	CURTAIN WALL ELEVATIONS	CD (Permit)	11.01.19
A523	CURTAIN WALL ELEVATIONS	CD (Permit)	11.01.19
A524	CURTAIN WALL ELEVATIONS	CD (Permit)	11.01.19
A559	ENVELOPE PANEL LAYOUT AND DETAILS	CD (Permit)	11.01.19
A560	LOUVER ELEVATIONS	CD (Permit)	11.01.19
A601	INTERIOR ELEVATIONS	CD (Permit)	11.01.19
A602	INTERIOR ELEVATIONS – RESTROOMS	CD (Permit)	11.01.19
A605	INTERIOR GLAZING ELEVATIONS	CD (Permit)	11.01.19
A606	INTERIOR GLAZING ELEVATIONS	CD (Permit)	11.01.19
A607	INTERIOR GLAZING ELEVATIONS	CD (Permit)	11.01.19
A608	INTERIOR GLAZING ELEVATIONS	CD (Permit)	11.01.19
A701	BUILDING SECTIONS	CD (Permit)	11.01.19
A702	BUILDING SECTIONS	CD (Permit)	11.01.19
A703	BUILDING SECTIONS	CD (Permit)	11.01.19
A711	WALL SECTIONS	CD (Permit)	11.01.19
A712	WALL SECTIONS	CD (Permit)	11.01.19
A713	WALL SECTIONS	CD (Permit)	11.01.19
A714	WALL SECTIONS	CD (Permit)	11.01.19
A715	WALL SECTIONS	CD (Permit)	11.01.19
A716	WALL SECTIONS	CD (Permit)	11.01.19
A717	WALL SECTIONS	CD (Permit)	11.01.19
A718	WALL SECTIONS	CD (Permit)	11.01.19
A720	WALL SECTIONS	CD (Permit)	11.01.19
A751	STAIR SECTIONS	CD (Permit)	11.01.19
A752	STAIR SECTIONS	CD (Permit)	11.01.19

A801	PLAN DETAILS	CD (Permit)	11.01.19
A802	PLAN DETAILS	CD (Permit)	11.01.19
A803	PLAN DETAILS	CD (Permit)	11.01.19
A804	PLAN DETAILS	CD (Permit)	11.01.19
A805	PLAN DETAILS	CD (Permit)	11.01.19
A806	PLAN DETAILS	CD (Permit)	11.01.19
A812	ROOFING DETAILS	CD (Permit)	11.01.19
A821	SECTION DETAILS	CD (Permit)	11.01.19
A822	SECTION DETAILS	CD (Permit)	11.01.19
A824	SECTION DETAILS	CD (Permit)	11.01.19
A825	SECTION DETAILS	CD (Permit)	11.01.19
A826	SECTION DETAILS	CD (Permit)	11.01.19
A827	SECTION DETAIL	RFI #30	12.20.19
A861	EXTERIOR DETAILS	CD (Permit)	11.01.19
A862	EXTERIOR DETAILS	CD (Permit)	11.01.19
A863	EXTERIOR DETAILS	CD (Permit)	11.01.19
A864	EXTERIOR DETAILS	RFI #23	12.12.19
A871	SAWTOOTH DETAIL	CD (Permit)	11.01.19
A872	SAWTOOTH DETAILS	CD (Permit)	11.01.19
A899	ENVELOPE MOCK-UP	CD (Permit)	11.01.19
A900	FINISH LEGEND	RFI #20	11.26.19
A901	EQUIPMENT SCHEDULES	CD (Permit)	11.01.19
A904	DOOR & HARDWARE SCHEDULE	CD (Permit)	11.01.19
A905	DOOR & HARDWARE SCHEDULE	CD (Permit)	11.01.19
A906	DOOR & FRAME TYPES	CD (Permit)	11.01.19
A908	HM FRAME, HOLD OPEN DOOR	CD (Permit)	11.01.19
A910	INTERIOR PARTITION TYPES	CD (Permit)	11.01.19
A911	INTERIOR PARTITION TYPES	CD (Permit)	11.01.19
A915	TYP INTERIOR GWB PTN DETAILS	CD (Permit)	11.01.19
A916	INTERIOR PLAN DETAILS	CD (Permit)	11.01.19
A917	INTERIOR PLAN DETAILS	CD (Permit)	11.01.19
A918	INTERIOR PLAN DETAILS	CD (Permit)	11.01.19
A919	DRINKING FOUNTAIN PLAN DETAILS	CD (Permit)	11.01.19
A921	FLOOR TRANSITION DETAILS	CD (Permit)	11.01.19
A941	FRAMING DETAILS	CD (Permit)	11.01.19
A942	CEILING DETAILS	CD (Permit)	11.01.19
A943	CEILING DETAILS	CD (Permit)	11.01.19
A944	CEILING DETAILS	CD (Permit)	11.01.19
A945	CEILING DETAILS	CD (Permit)	11.01.19
A946	CEILING DETAILS	CD (Permit)	11.01.19
A951	EXIT STAIR DETAILS	CD (Permit)	11.01.19
A952	EXIT/COMMUNICATING STAIR DETAILS	CD (Permit)	11.01.19
A953	EXIT/COMMUNICATING STAIR DETAILS	CD (Permit)	11.01.19
A954	EXIT/COMMUNICATING STAIR DETAILS	CD (Permit)	11.01.19
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A971	MILLWORK DETAILS	CD (Permit)	11.01.19
	LAB EQUIPMENT		
QL001	DRAWING INDEX, GENERAL NOTES, SYMBOLS	CD (Permit)	11.01.19
QL003	TYPICAL CASEWORK – 1	CD (Permit)	11.01.19
QL004	TYPICAL CASEWORK – 2	CD (Permit)	11.01.19
QL005	TYPICAL CASEWORK – 3	CD (Permit)	11.01.19
QL007	TYPICAL CASEWORK – 4	CD (Permit)	11.01.19
QL101	COMPOSITE FLOOR PLAN – LEVEL 1	CD (Permit)	11.01.19
QL102	COMPOSITE FLOOR PLAN – LEVEL 2	CD (Permit)	11.01.19
QL401	ENLARGED PLAN – LEVEL 1 MACHINE SHOPS	CD (Permit)	11.01.19
QL402	ENLARGED PLAN – LEVEL 1 BOH	CD (Permit)	11.01.19
QL403	ENLARGED PLAN – LEVEL 1 WET LABS	CD (Permit)	11.01.19
QL404	ENLARGED PLAN – LEVEL 2 RESEARCH LABS	CD (Permit)	11.01.19
QL601	INTERIOR LAB ELEVATIONS	CD (Permit)	11.01.19
QL602	INTERIOR LAB ELEVATIONS	CD (Permit)	11.01.19
QL603	INTERIOR LAB ELEVATIONS	CD (Permit)	11.01.19
QL604	INTERIOR LAB ELEVATIONS	CD (Permit)	11.01.19
QL605	INTERIOR LAB ELEVATIONS	CD (Permit)	11.01.19
QL606	INTERIOR LAB ELEVATIONS	CD (Permit)	11.01.19
QL607	INTERIOR LAB ELEVATIONS	CD (Permit)	11.01.19
QL901	TYPICAL LABORATORY DETAILS	CD (Permit)	11.01.19
QL902	MISCELLANEOUS LAB DETAILS	CD (Permit)	11.01.19
QL903	MISCELLANEOUS LAB DETAILS	CD (Permit)	11.01.1
	FIRE PROTECTION		
FP001	FIRE PROTECTION LEGEND, SYMBOLS AND ABBREVIATION	CD (Permit)	11.01.1
FP101	FIRE PROTECTION UNDERGROUND PLAN	CD (Permit)	11.01.1
FP201	FIRE PROTECTION FLOOR PLAN – LEVEL 1	CD (Permit)	11.01.1
FP202	FIRE PROTECTION FLOOR PLAN – LEVEL 2	CD (Permit)	11.01.1
	PLUMBING		
P001	PLUMBING LEGEND, SYMBOLS AND ABBREVIATIONS	CD (Permit)	11.01.1
P101	PLUMBING UNDERGROUND PLAN	ASI-002	11.25.1
P200A	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0A	CD (Permit)	11.01.1
P200B	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0B	RFI 015	11.20.1

P200C	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0C	CD (Permit)	11.01.19
P200D	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0D	CD (Permit)	11.01.19
P200E	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0E	CD (Permit)	11.01.19
P201A	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1A	RFI 015	11.20.19
P201B	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1B	RFI 015	11.20.19
P201C	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1C	CD (Permit)	11.01.19
P201D	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1D	CD (Permit)	11.01.19
P201E	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1E	CD (Permit)	11.01.19
P202A	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2A	CD (Permit)	11.01.19
P202B	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2B	RFI 015	11.20.19
P202C	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2C	CD (Permit)	11.01.19
P202D	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2D	CD (Permit)	11.01.19
P202E	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2E	CD (Permit)	11.01.19
P203	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS ROOF	RFI 015	11.20.19
P301A	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1A	CD (Permit)	11.01.19
P301B	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1B	RFI 015	11.20.19
P301C	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1C		
P301D	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1D	CD (Permit)	11.01.19
P301E	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1E	CD (Permit)	11.01.19
P302A	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2A	CD (Permit)	11.01.19
P302B	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2B	RFI 015	11.20.19
P302C	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2C	CD (Permit)	11.01.19
P302D	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2D	CD (Permit)	11.01.19

P302E	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2E	CD (Permit)	11.01.19
P400	PLUMBING ENLARGED FLOOR PLANS	CD (Permit)	11.01.19
P401	PLUMBING ENLARGED LAB LEVEL 1 FLOOR PLANS	CD (Permit)	11.01.19
P402	PLUMBING ENLARGED LEVEL 2 FLOOR PLANS	RFI 015	11.20.19
P403	PLUMBING ENLARGED LEVEL 2 FLOOR PLANS	CD (Permit)	11.01.19
P505	PLUMBING PURE WATER SOURCE EQUIPMENT	CD (Permit)	11.01.19
DEOC	DIAGRAM		11.01.10
P506	PLUMBING PURE WATER FLOW DIAGRAM	CD (Permit)	11.01.19
P507	PLUMBING WASTE / VENT RISER DIAGRAM	CD (Permit)	11.01.19
P508	PLUMBING NATURAL GAS RISER DIAGRAM	CD (Permit)	11.01.19
P801	DETAILS	CD (Permit)	11.01.19
P802	DETAILS	CD (Permit)	11.01.19
P900	SCHEDULES	RFI 015	11.20.19
	MECHANICAL		
M001	LEGENDS, SYMBOLS AND ABBREVIATIONS	CD (Permit)	11.01.19
M101	MECHANICAL SITE PLAN	CD (Permit)	11.01.19
M101 M201	DUCTWORK COMPOSITE PLAN – LEVEL 1	CD (Permit)	11.01.19
M201A	DUCTWORK FLOOR PLAN – LEVEL 1A	CD (Permit)	11.01.19
M201B	DUCTWORK FLOOR PLAN – LEVEL 1B	CD (Permit)	11.01.19
M201D	DUCTWORK FLOOR PLAN – LEVEL 1C	CD (Permit)	11.01.19
M201D	DUCTWORK FLOOR PLAN – LEVEL 1D	CD (Permit)	11.01.19
M201E	DUCTWORK FLOOR PLAN – LEVEL 1E	CD (Permit)	11.01.19
M202	DUCTWORK COMPOSITE PLAN – LEVEL 2	CD (Permit)	11.01.19
M202A	DUCTWORK FLOOR PLAN – LEVEL 2A	CD (Permit)	11.01.19
M202B	DUCTWORK FLOOR PLAN – LEVEL 2B	CD (Permit)	11.01.19
M202C	DUCTWORK FLOOR PLAN – LEVEL 2C	CD (Permit)	11.01.19
M202D	DUCTWORK FLOOR PLAN – LEVEL 2D	CD (Permit)	11.01.19
M202E	DUCTWORK FLOOR PLAN – LEVEL 2E	CD (Permit)	11.01.19
M211	PIPING COMPOSITE FLOOR PLAN – LEVEL 1	CD (Permit)	11.01.19
M211A	PIPING FLOOR PLAN – LEVEL 1A	CD (Permit)	11.01.19
M211B	PIPING FLOOR PLAN – LEVEL 1B	CD (Permit)	11.01.19
M211C	PIPING FLOOR PLAN – LEVEL 1C	CD (Permit)	11.01.19
M211D	PIPING FLOOR PLAN – LEVEL 1D	CD (Permit)	11.01.19
M211E	PIPING FLOOR PLAN – LEVEL 1E	CD (Permit)	11.01.19
M212	PIPING COMPOSITE FLOOR PLAN – LEVEL 2	CD (Permit)	11.01.19
M212A	PIPING FLOOR PLAN – LEVEL 2A	CD (Permit)	11.01.19
M212B	PIPING FLOOR PLAN – LEVEL 2B	CD (Permit)	11.01.19
M212D M212C	PIPING FLOOR PLAN – LEVEL 2C	CD (Permit)	11.01.19
M2120 M212D	PIPING FLOOR PLAN – LEVEL 2D	CD (Permit)	11.01.19
M212E	PIPING FLOOR PLAN – LEVEL 2E	CD (Permit)	11.01.19
M223	MECHANICAL COMPOSITE PLAN - ROOF	CD (Permit)	11.01.19

M223A	MECHANICAL ROOF PLAN – LEVEL 3A	CD (Permit)	11.01.19
M223C	MECHANICAL ROOF PLAN – LEVEL 3C	CD (Permit)	11.01.19
M401	ENLARGED MECHANICAL PLANS & SECTIONS – MER	CD (Permit)	11.01.19
	M102		
M402	ENLARGED MECHANICAL PLANS & SECTIONS – MER	CD (Permit)	11.01.19
	M100		
M501	AIR FLOW DIAGRAM	CD (Permit)	11.01.19
M502	CHILLED WATER FLOW DIAGRAM	CD (Permit)	11.01.19
M503	HEATING HOT WATER FLOW DIAGRAM	CD (Permit)	11.01.19
M701A	MECHANICAL CONTROLS DIAGRAM	CD (Permit)	11.01.19
M701B	MECHANICAL CONTROLS DIAGRAM	CD (Permit)	11.01.19
M702A	MECHANICAL CONTROLS DIAGRAM	CD (Permit)	11.01.19
M702B	MECHANICAL CONTROLS DIAGRAM	CD (Permit)	11.01.19
M703	MECHANICAL CONTROLS DIAGRAM	CD (Permit)	11.01.19
M704	MECHANICAL CONTROLS DIAGRAM	CD (Permit)	11.01.19
M705	MECHANICAL CONTROLS DIAGRAM	CD (Permit)	11.01.19
M706	MECHANICAL CONTROLS DIAGRAM	CD (Permit)	11.01.19
M707	MECHANICAL CONTROLS DIAGRAMS	CD (Permit)	11.01.19
M708	MECHANICAL CONTROLS DIAGRAMS	CD (Permit)	11.01.19
M709	MECHANICAL CONTROLS DIAGRAMS	CD (Permit)	11.01.19
M710	MECHANICAL CONTROLS DIAGRAMS	CD (Permit)	11.01.19
M711	MECHANICAL CONTROLS DIAGRAMS	CD (Permit)	11.01.19
M712	MECHANICAL CONTROLS DIAGRAMS	CD (Permit)	11.01.19
M801	MECHANICAL DETAILS	CD (Permit)	11.01.19
M802	MECHANICAL DETAILS	CD (Permit)	11.01.19
M803	MECHANICAL DETAILS	CD (Permit)	11.01.19
M901	MECHANICAL SCHEDULES	CD (Permit)	11.01.19
M902	MECHANICAL SCHEDULES	CD (Permit)	11.01.19
M903	MECHANICAL SCHEDULES	CD (Permit)	11.01.19
M904	MECHANICAL SCHEDULES	CD (Permit)	11.01.19
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	ELECTRICAL		
E001	LEGEND, SYMBOLS AND ABBREVIATIONS	CD (Permit)	11.01.19
E101	UNDERGROUD	ASI-002	11.25.19
E102	POWER SITE PLAN	CD (Permit)	11.01.19
E103	LIGHTING SITE PLAN	CD (Permit)	11.01.19
E104	LIGHTNING PROTECTION PLAN	CD (Permit)	11.01.19
E201A	LIGHTING FLOOR PLAN – LEVEL 1A	CD (Permit)	11.01.19
E201B	LIGHTING FLOOR PLAN – LEVEL 1B	CD (Permit)	11.01.19
E201C	LIGHTING FLOOR PLAN – LEVEL 1C	CD (Permit)	11.01.19
E201D	LIGHTING FLOOR PLAN – LEVEL 1D	CD (Permit)	11.01.19
E201E	LIGHTING FLOOR PLAN – LEVEL 1E	CD (Permit)	11.01.19
E201E	LIGHTING FLOOR PLAN – LEVEL 2A	CD (Permit)	11.01.19
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E202D	LIGHTING FLOOP DLAN LEVEL OD		11.01.10
E202B	LIGHTING FLOOR PLAN – LEVEL 2B	CD (Permit)	11.01.19
E202C	LIGHTING FLOOR PLAN – LEVEL 2C	CD (Permit)	11.01.19
E202D	LIGHTING FLOOR PLAN – LEVEL 2D	CD (Permit)	11.01.19
E202E	LIGHTING FLOOR PLAN – LEVEL 2E	CD (Permit)	11.01.19
E211A	POWER FLOOR PLAN – LEVEL 1A	CD (Permit)	11.01.19
E211B	POWER FLOOR PLAN – LEVEL 1B	CD (Permit)	11.01.19
E211C	POWER FLOOR PLAN – LEVEL 1C	CD (Permit)	11.01.19
E211D	POWER FLOOR PLAN – LEVEL 1D	CD (Permit)	11.01.19
E211E	POWER FLOOR PLAN – LEVEL 1E	CD (Permit)	11.01.19
E212A	POWER FLOOR PLAN – LEVEL 2A	CD (Permit)	11.01.19
E212B	POWER FLOOR PLAN – LEVEL 2B	CD (Permit)	11.01.19
E212C	POWER FLOOR PLAN – LEVEL 2C	CD (Permit)	11.01.19
E212D	POWER FLOOR PLAN – LEVEL 2D	CD (Permit)	11.01.19
E212E	POWER FLOOR PLAN – LEVEL 2E	CD (Permit)	11.01.19
E213C	POWER ROOF PLAN	CD (Permit)	11.01.19
E221A	FIRE ALARM FLOOR PLAN – LEVEL 1A	CD (Permit)	11.01.19
E221B	FIRE ALARM FLOOR PLAN – LEVEL 1B	CD (Permit)	11.01.19
E221C	FIRE ALARM FLOOR PLAN – LEVEL 1C	CD (Permit)	11.01.19
E221D	FIRE ALARM FLOOR PLAN – LEVEL 1D	CD (Permit)	11.01.19
E221E	FIRE ALARM FLOOR PLAN – LEVEL 1E	CD (Permit)	11.01.19
E222A	FIRE ALARM FLOOR PLAN – LEVEL 2A	CD (Permit)	11.01.19
E222B	FIRE ALARM FLOOR PLAN – LEVEL 2B	CD (Permit)	11.01.19
E222C	FIRE ALARM FLOOR PLAN – LEVEL 2C	CD (Permit)	11.01.19
E222D	FIRE ALARM FLOOR PLAN – LEVEL 2D	CD (Permit)	11.01.19
E222E	FIRE ALARM FLOOR PLAN – LEVEL 2E	CD (Permit)	11.01.19
E401	ENLARGED LAB FLOOR PLANS – LEVEL 1	CD (Permit)	11.01.19
E402	ENLARGED LAB FLOOR PLANS – LEVEL 1	CD (Permit)	11.01.19
E403	ENLARGED LAB FLOOR PLANS – LEVEL 2	CD (Permit)	11.01.19
E404	ENLARGED LAB FLOOR PLANS – LEVEL 2	CD (Permit)	11.01.19
E405	ENLARGED LAB FLOOR PLANS – LEVEL 2	CD (Permit)	11.01.19
E406	ENLARGED ELEC FLOOR PLANS	CD (Permit)	11.01.19
E501	POWER RISER DIAGRAM	CD (Permit)	11.01.19
E502	GROUNDING RISER DIAGRAM	CD (Permit)	11.01.19
E503	FIRE ALARM RISER DIAGRAM	CD (Permit)	11.01.19
E801	DETAILS	CD (Permit)	11.01.19
E802	DETAILS	CD (Permit)	11.01.19
E803	DETAILS	CD (Permit)	11.01.19
E804	LIGHTING PROTECTION DETAILS	CD (Permit)	11.01.19
E901	POWER FEEDER & EQUIPMENT SCHEDULES	CD (Permit)	11.01.19
E902	SCHEDULE	CD (Permit)	11.01.19
E903	PANEL SCHEDULES	CD (Permit)	11.01.19
E904	PANEL SCHEDULES	CD (Permit)	11.01.19
E905	PANEL SCHEDULES	CD (Permit)	11.01.19
E906	PANEL SCHEDULES	CD (Permit)	11.01.19

E907	PANEL SCHEDULES	CD (Permit)	11.01.19
E908	PANEL SCHEDULES	CD (Permit)	11.01.19
E909	PANEL SCHEDULES	CD (Permit)	11.01.19
E910	PANEL SCHEDULES	CD (Permit)	11.01.19
E911	PANEL SCHEDULES	CD (Permit)	11.01.19
E912	PANEL SCHEDULES	CD (Permit)	11.01.19
	TECHNOLOGY		
T001	TECHNOLOGY LEGEND, SYMBOLS AND	CD (Permit)	11.01.19
	ABBREVIATION		
T101	TECHNOLOGY SITE PLAN	ASI-002	11.25.19
T201	TECHNOLOGY FLOOR PLAN – LEVEL 1 OVERALL	CD (Permit)	11.01.19
T201A	TECHNOLOGY FLOOR PLAN – LEVEL 1A	CD (Permit)	11.01.19
T201B	TECHNOLOGY FLOOR PLAN – LEVEL 1B	CD (Permit)	11.01.19
T201C	TECHNOLOGY FLOOR PLAN – LEVEL 1C	CD (Permit)	11.01.19
T201D	TECHNOLOGY FLOOR PLAN – LEVEL 1D	CD (Permit)	11.01.19
T201E	TECHNOLOGY FLOOR PLAN – LEVEL 1E	CD (Permit)	11.01.19
T202	TECHNOLOGY FLOOR PLAN – LEVEL 2 OVERALL	CD (Permit)	11.01.19
T202A	TECHNOLOGY FLOOR PLAN – LEVEL 2A	CD (Permit)	11.01.19
T202B	TECHNOLOGY FLOOR PLAN – LEVEL 2B	CD (Permit)	11.01.19
T202C	TECHNOLOGY FLOOR PLAN – LEVEL 2C	CD (Permit)	11.01.19
T202D	TECHNOLOGY FLOOR PLAN – LEVEL 2D	CD (Permit)	11.01.19
T202E	TECHNOLOGY FLOOR PLAN – LEVEL 2E	CD (Permit)	11.01.19
T401	TECHNOLOGY ENLARGED PLANS	CD (Permit)	11.01.19
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TEAV101B	AV INFRASTRUCTURE PLAN – LEVEL 1B	CD (Permit)	11.01.19
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TEAV353	AV INFRASTRUCTURE – ENLARGED PLANS	CD (Permit)	11.01.19
TEAV354	AV INFRASTRUCTURE – ENLARGED PLANS	CD (Permit)	11.01.19
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Specifications

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23 36 14	LABORATORY TEMP AND AIRFLOW CONTROL	CD (Permit)	11.01.19
	SYSTEM		44.04.5
23 37 13	DIFFUSERS, REGISTERS AND GRILLES	CD (Permit)	11.01.19
23 41 14	FILTERS	CD (Permit)	11.01.19

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23 51 00	SMOKESTACK, BREECHING AND VENT PIPING	CD (Permit)	11.01.19
23 52 14	PRIMARY HEATING EQUIPMENT	CD (Permit)	11.01.19
23 72 14	HEAT RECOVERY EQUIPMENT	CD (Permit)	11.01.19
23 73 13	AIR HANDLING UNITS	CD (Permit)	11.01.19
23 82 14	HEATING AND COOLING TERMINAL DEVICES	CD (Permit)	11.01.19
23 02 11			11.01.17
DIV 26	ELECTRICAL		
26 00 00	GENERAL ELECTRICAL REQUIREMENTS	CD (Permit)	11.01.19
26 05 16	OWNER-FURNISHED EQUIPMENT	CD (Permit)	11.01.19
26 05 19	LOW-VOLTAGE ELECTRIC POWER CONDUCTORS	CD (Permit)	11.01.19
	AND CABLES	× ,	
26 05 26	GROUNDING AND BONDING FOR ELECTRICAL	CD (Permit)	11.01.19
	SYSTEMS	× ,	
26 05 29	HANGERS AND SUPPORTS FOR ELECTRICAL	CD (Permit)	11.01.19
	SYSTEMS	~ /	
26 05 33	RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS	CD (Permit)	11.01.19
26 05 33. 13	SURFACE RACEWAY SYSTEM	CD (Permit)	11.01.19
26 05 43	UNDERGROUND DUCTS & RACEWAYS FOR	CD (Permit)	11.01.19
	ELECTRIC SYSTEMS	`	
26 05 43. 19	HANDHOLES AND HARDWARE	CD (Permit)	11.01.19
26 05 53	ELECTRICAL SYSTEMS IDENTIFICATION	CD (Permit)	11.01.19
26 09 43	NETWORK LIGHTING CONTROLS	CD (Permit)	11.01.19
26 22 00	LOW – VOLTAGE TRANSFORMERS	CD (Permit)	11.01.19
26 24 13	SWITCHBOARDS	CD (Permit)	11.01.19
26 24 16. 13	LIGHTING AND APPLIANCE PANELBOARDS	CD (Permit)	11.01.19
26 24 16. 16	DISTRIBUTION PANELBOARDS	CD (Permit)	11.01.19
26 27 13	ELECTRICAL METERING	CD (Permit)	11.01.19
26 27 26	WIRING DEVICES	CD (Permit)	11.01.19
26 28 13	FUSES	CD (Permit)	11.01.19
26 28 16	ENCLOSED SWITCHES AND CIRCUIT BREAKERS	CD (Permit)	11.01.19
26 29 13	ENCLOSED CONTROLLERS	CD (Permit)	11.01.19
26 32 13	ENGINE GENERATORS	CD (Permit)	11.01.19
26 36 23	AUTOMATIC TRANSFER SWITCHES	CD (Permit)	11.01.19
26 41 13	LIGHTNING PROTECTION FOR STRUCTURES	CD (Permit)	11.01.19
26 43 00	SURGE PROTECTION DEVICES	CD (Permit)	11.01.19
26 50 00	LIGHTING	CD (Permit)	11.01.19
DIV 27	COMMUNICATIONS		
27 00 00	GENERAL COMMUNICATIONS REQUIREMENTS	CD (Permit)	11.01.19
	HANGERS AND SUPPORTS FOR COMMUNICATIONS	CD (Permit)	11.01.19
27 05 28. 29	TANGERS AND SUITORIS FOR COMMUNICATIONS	CD(1Cmmt)	11.01.17

27 05 28. 33	RACEWAYS AND BOXES FOR COMMUNICATIONS	CD (Permit)	11.01.19
	SYSTEMS		
27 05 28.36	CABLE TRAYS FOR COMMUNICATIONS SYSTEMS	CD (Permit)	11.01.19
27 05 53	COMMUNICATIONS SYSTEMS IDENTIFICATION	CD (Permit)	11.01.19
27 10 00	STRUCTURED CABLING	CD (Permit)	11.01.19
27 11 00	COMMUNICATIONS EQUIPMENT ROOM FITTINGS	CD (Permit)	11.01.19
27 13 00	COMMUNICATIONS BACKBONE CABLING	CD (Permit)	11.01.19
27 15 00	COMMUNICATIONS HORIZONTAL CABLING	CD (Permit)	11.01.19
27 51 13	OVERHEAD PAGING	CD (Permit)	11.01.19
27 51 29	TWO – WAY COMMUNICATION SYSTEM	CD (Permit)	11.01.19
27 53 19	EMERGENCY RESPONDER RADIO REINFORCEMENT	CD (Permit)	11.01.19
	SYSTEM		
DIV 28	ELECTRONIC SAFETY AND SECURITY		
28 00 00	GENERAL ELECTRONIC SAFETY AND SECURITY	CD (Permit)	11.01.19
	REQUIREMENT		
28 10 00	ELECTRONIC ACCESS CONTROL	CD (Permit)	11.01.19
28 20 00	VIDEO SURVEILLANCE	CD (Permit)	11.01.19
28 31 16	MULTIPLEXED FIRE DETECTION AND ALARM	CD (Permit)	11.01.19
	SYSTEMS		
DIV 31	EARTHWORK		
31 21 13	RADON MITIGATION	CD (Permit)	11.01.19
31 31 16	TERMITE CONTROL	CD (Permit)	11.01.19
DIV 32	EXTERIOR IMPROVEMENTS		
32 13 16	DECORATIVE CONCRETE PAVING	CD (Permit)	11.01.19
32 33 00	SITE FURNISHINGS	CD (Permit)	11.01.19
32 84 00	PLANTING IRRIGATION	CD (Permit)	11.01.19
32 91 13	SOIL PREPARATION	CD (Permit)	11.01.19
32 92 00	TURF AND GRASSES	CD (Permit)	11.01.19
32 93 00	PLANTS	CD (Permit)	11.01.19
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<u>Addenda</u>

Addendum No.	Description	Rev No.	Date

<u>Other</u>

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EXHIBIT A

Document No.	Document Name	Rev No.	Date
APPENDIX A	GEOTECHNICAL REPORT	100% DD	3.28.19





AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

EXHIBIT B **PROJECT SCHEDULE**

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Activity ID	Activity Name	Duration	Remaining Duration	Start	Finish	2021 Institute of the Manual Institute Case Prior Data (The Fight Manual Case Manual Institute Case Manual Institute Case Manual Institute Case (Manual Institute Case Case Case (Manual Institute Case Case (Manual Institute Case Case (Manual Institute Case Case Case Case (Manual Institute Case Case (Manual Institute Case	2021 2021 And Table Scott Date 102
Florida Polytechnic Applied	Inic Applied Research Center_CURRENT	916	409	01-Jan-18.A	02-Sep-21	Littly Methoday with with will apply unit way be	Brew mark
Milestones		219	388	D1-Aug-18A	02-Sep-21		02 Sep.21
NS-01	Arrend Pre-Construction Contract	•	•		01-440-18 A		
MS-13	GMP #1 Execution/ Notice to Proceed	•	•		23-Sep-19 A	Inton Notice to Proceed	
MS-05	ARC Building - Denos Start	•	•	04-Nov-19.A		tilding - Elenno Start	
MS-03	GMP #2 - Elecution	•	•		25-Feb-20	▲ GMP #2: Execution	
MS-16	GMP #2 - Board of Trustees Meeting	0	0		25-Feb-20*	 GMP #2 - Boynd of Trustees Meeting 	
MS-14	FPU Confirm 2020 Funding	•	•		06-Apr-20*	Feful Continuit 2000 Funding	
MS-04	GMP #3 - Elecution	•	0		22-Apr-20	Other #3 Enseptition	
MS-15	GMP #3 - Interim Board of Trustees Meeting	•	0		22-Apr-20*	OMR #3 Interim Beard of Trussees Meeting	
MS-06	Structure Top-Out	•	•		24-4pr-20	Shuthure Top-Dut	
MS-17	North Bar Envelope Dried-In	•	•		11-Sep-20	North Sar Envelope Oneo In	
MS-12	Receive 2020 Funding	•	•		15-0ct-20*	Receive 2820 Runding	
MS-19	Shop Closed-in (Potential Ability to Turm-over to Owner)	•	•		02-Nov-20	 Skop Closed in Potential (bility to 	Hiblingto Term-over to Oweer)
10-2M	South Bar Erwelope Dried-In	•	0		05-Nov-20	South Bar Envelope Driedin	45
MS-18	Athium Envelope Dried-In	•	0		24-Nov-20	Athurn Esvelape Directin	
WS-11	Transformer Set & Power Available (By TECO)	•	•		06-Dec-20	■ Tean stammer Status Prover Available	ower Available (By TECO)
MS-08	Pawer & Conditioned Air Ready	•	•		28-Dec-20	Povier & Contritioned Air Ready	oned Air Ready
MS-09	Substantial Completion	•	•		30-Jun-21*		Substantial Gompletio
MS-10	Final Completion	0	•		02-Sep-21		Fidal Comp
Design		237	R	01-Jan-18.A	09-Mar-20	C9-Mat-20,Design	
DE-103	Programming & Planning	12	•	01-Jan-18.A	29-Jun-18.A		
0E-108	Conceptual Design	8	•	14-Feb-18.A	29-Jun-18.A		
0E-100	Advanced Schematic Design	8	•	02-Jul-18.A	01-Mar-19.A		
06-107	FPU Review	2	•	02-Jul-18.A	16-Jul-18A		
DE-109	FPU Review - Schematic Design	9	•	17-Sep-IBA	15-Mar-19.A		
DE-102	Design Development	8	•	12-Dec-18.A	14-Jun-19.A		
0E-112	FPU Review - DD	9	•	01-Apr-19.A	14-Jun-19.A		
06-113	Design Team Submit for SWEMWO Permitting	8	•	12-Jun-19.A	25-Jun-19.A	EMMD Hemiliang	
06-110	100% Foundation & Structure - 60% Overall CO	9	•	14-Jun-19.A	15-40g-18 A	Struture +50% Orerall CD	
10-104	TUUTE CONSTRUCTION LOCUMENTS (FOR PERMIT)	8	-	18-4410-18/4	01-100A-13 B	8	
06-111	FPU Review - 100% Foundation & Structure - 60% Overall CD	2	•	16-Aug-19.A	28-40g-18 A	2	
06-109	Permitting (Fridse 1 - Foundation & Structure)	8	-	Theorem and	UT-NOV-13 A		
0E-116	AISI #01 - Garage Addition - Structural Design	8	-	13-Sep-18.A	16-CG-18A		
0E-117	100% CD Permit Drawing Set Issue (Hrom HCM)	-	-		01-100V-18 A	22 Permit Dia Ming Set Issue (From FLOK)	
DE-115	FPU Review - 100% Construction Documents	ę	•	04-Nov-19.A	15-Wov-19 A	Review - 100% Comptruction (Populhents	
0E-114	Permiting (Phase 2 - Exterior, Full Build-out)	8	÷	04-Now19.A	17-Feb-20	Permitting (Phase 2, Extenor Full Build out)	
DE-118	100% CONFORMED Documents (For Construction)	8	30	09-Dec-19.A	09-Mar-20	100% CONFORMED/Documents (For Construction)	
0E-119	100% For Construction Permit Issue (From FPU)	0	•		09-Mar-20	 100% For Gonstruction Petmit (Scue)(From FPU) 	
Pre-Construction	5	437	61	27-Jul-18.A	21-4pr-20	21-Apr-20, Pre-Construction	
GMP (285	0	27-Jul-18.A	23-Sep-19.4		
PR-108	Conceptual Design - Pricing Confirmation Deliverable	8	-	27-Jul-18.A	30-4ug-18 A.		
PR-101	Schematic Design - Pricing Confirmation Deliverable	8	•	17-Sep-18.A	26-Feb-19.A		
701-8H	Design Development - Pricing Confirmation Deliverable	23	•	01-Mar-19.A	10-Jul-19A	ding Confirmation Deliverable	
Remoining Level of Effort	Actual Work Critical Remaining Work	A Summary		$\left - \right $	Page 1 of 16	16	

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Florida Polytechnic University Applied Research Center GUARANTEED MAXIMUM PRICE- GMP 02

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13 Cuber 13 Transmission 15 Cuber 13 Transmission 15 Cuber 13 Transmission 15	ByFPU
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CuP #2 - Standal Prepare & Subm. Cit Solution. Cit <td> Skånska Revjew & Confirm Pricing - NEP / Metal Pagels (Rainscrein Sis. </td>	 Skånska Revjew & Confirm Pricing - NEP / Metal Pagels (Rainscrein Sis.
GMP #2 - Review & Approval - Ey FPU En MT	- Skanska Prepare & Submit
Curr Eta : Ending Curr Eta : 2 Early Release Mosomy Approval Early Release Mosomy Approvention Early Release Mosomy Approv	(3MP#2 - Review & Approval - By FPU
1 1	2. Early Release Nasofiry Approval
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GMP # 3 - Outh Bid Cuth Bid 13-Feb-30	Shop Drawings Release
GMP # 3 - Friding Confirm Friding - Interions 20 14. Feb20 12. Mar-20 0.5 -	#3-Durb Bid
CMP# 3 - Stantal Review & Confirm Pridray Interfors 20 20 13-Man-20 06-dpr-20 4-apr-20 4-apr-20 24-apr-20 24-apr-20 <th< td=""><td>MIP#3Pricing</td></th<>	MIP#3Pricing
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GMP#3 - Review & Approval - By FPU 5 5 15-4pr.20 21-4pr.20 21-4pr.20 21-4pr.20 Review & Approval - By FPU 283 202 25-5ep-19A 10-Nov-20 26 <td></td>	
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105 14 23.56p-13A 14.Feb-20 File 0 23.56p-13A 14.Feb-20 EDentity Kansila Avard Contracts 10 0 23.55p-113A 15.Flobur-19.A 27.64b-119.A 27.64b-110.A 27.64b-110.A 27.64b-110.A 27.64b-120	/ Changed Utilities (ASI#2)
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eel 24 24-Sep-19A 28-Feb-20	Feb-20. Structural Steel
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Florida Polytechnic University Applied Research Center GUARANTEED MAXIMUM PRICE- GMP 02

	Activity Name	Orional	Remaining	tag.	Frish	
		Duration	Duration	1 1000		2021
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	Prepare Submittals	6	m	20-Dec-19A	03-Feb-20	Prepare Sugnitizais
PRO-167 AVE	A/E Review & Approve Submittels	9	2	04-Feb-20	17-Feb-20	C ME Review & Approve Submittals
PR0-168 Ma	Material Lead Time / Mobilization - Fireproofing	•	1	18-Feb-20	26-Feb-20	Material Lead Time / Mobilization: Fireproofing
ASI#1 Shop Spaces Add	9	7	~	20-Jan-20A	30-Jan-20	■ 30 Jan 20. ASI#1 Shob Spaces Add
PR0-191 Str	Structure Pricing	-	0	20-Jan-20 A	22-Jan-20.A	Structure/Pricing
	Structure Pricing Approval By FPU	-	~	23-Jan-20 A	30-Jan-20	Structure Priting Approval By FPU
		181	5	11-Dec-19A	03-Sep-20	03 Sept20 GMP #2
Glass		137	112	11-Dec-19A	02-00-20	02-Jul-20. Glass
0-102	Skanska Early Release - Design Assist	9	0	11-Dec-19A	4	Manibia Early Release - Design Assist
	Curtainwall Mockup Submittals	10	-	20-Dec-19A	1	Curteinvetil Mockue Sultinitais
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	A/E Review & approve Submittal	ß	3	06-reb-20	11-Mar-20	
	Curtainwall Mockup - Material Lead Time	8	88	07-Feb-20	26-Mar-20	Curtainwall Mockup - Material Lead Tirse
	Fabrication & Delivery - Glazing	80	8	12-Mar-20	02-Jul-20	
	Curtainwall Mock-Up Installation	un.	w	27-Mer-20	02-Apr-20	
PR0-190 Cu	Curtainwall Mock-Up Approval	10	m	03-Apr-20	09-Apr-20	E Curtaißwalf Mock-Up Approval
Metal Panels		120	8	26-Feb-20	13-Aug-20	V 13-Aug-20 Metal Panels
PR0-132 Ska	Skanska Award Contracts	₽	01	26-Feb-20	10-Mar-20	Shanska Alyard Contracts
PRO-133 Pre	Prepare Submittals	30	8	11-Mar-20	21-Apr-20	Predare Submittals
	A/E Review & Approve Submittals	15	15	22-Apr-20	12-May-20	Alt Review & Approve Submittals
	Fabrication & Delivery - Metal Panels	88	59	13-May-20	13-Aug-20	Rabnçatori & Delivery - Metal Panels
		8	05	26-Feb-20	05-Maw-20	Di-Mar 20, Raolina
136	Skanska Awand Contracts	6	10	26-Feb-20	10-Mar-20	Skanska Award Contracts
	Prepare Submittals	8	8	11-Mar-20	07-Apr-20	Plepare Sulmittals
	ALF Review & annouse Submittals	ę	¢,	08-Ant-20	21-Anc.20	AF Review & Amorphue Submittals
	Fabrication & Delivery - Roofing	9	9	22-Apr-20	05-Mav-20	
Inwall		45	45	18-Mac.20	19-March	19 May 20 Framing & Dhwell
	Skanska Award Contracts (GMP #2 - Early Release Scope)	6	10	18-Mar-20	31-Mar-20	Ckenske Aweird Contracts (GMP #2 - Early Release Scope)
	Prepare Submittals	9	0	01-Apr-20	14-Apr-20	Prepate Sobmittals
	A/E Review & Approve Submittals	9	9	15-Apr-20	28-Apr-20	AE Review & Applove Submittels
	Fabrication & Delivery - Framing & Drywell	5	5	29-Apr-20	19-Mav-20	🗖 Fabrication & Celivéry - Framilio & Drywall
		135	135	28-Feb.20	03-Seo-20	04 Sep 20 Mechanical
Ductwork		75	75	26-Feb-20	10-Jun-20	10-Jun-20 Ductiverk
8	Skanska Award Contracts	\$	5	26-Feb-20	17-Mar-20	Ekanbita Award Contracts
PRO-154 Pre	Prepare Submittais	8	02	18-Mar-20	14-Apr-20	Prepare Sobmittals
	A/E Review & Approve Submittals	5	5	15-Apr-20	05-Mav-20	AE Review & Approve Submittals
	Fabrication 3. Dativasu Durchande	e y	e e	OC. MAN. 30	UC-mail UL	Patrication S Defined
11mil		120	10	18-Mar.20	02-Sec.20	03.Sep.20 Air Handlino Ukits
PRO-141 Pre	Prepare Submittals	8	8	18-Mar-20	21-Apr-20	Prepare Submittals
	A/E Review & Approve Submittals	5	5	22-Apr-20	12-May-20	Alt Review & Approve Submittals
PRO-143 Fat	Fabrication & Delivery - AHUs	80	08	13-May-20	03-Sep-20	Fabrication & Delivery: AH3Js

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Florida Polytechnic University Applied Research Center GUARANTEED MAXIMUM PRICE- GMP 02

EXHIBIT C

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B Seferal Autol Contract 2	Electrical	127	121	26-Feb-20	24-Aug-20	đ.,	
Standa audio Contraction T T Selection Selection <th< td=""><td></td><td>12</td><td>53</td><td>26-Feb-20</td><td>31-Mar-20</td><td>n</td></th<>		12	53	26-Feb-20	31-Mar-20	n	
03 Different of Lender Line Section Schematic 0 <td></td> <td>-</td> <td>-</td> <td>26-Feb-20</td> <td>05-Mar-20</td> <td></td>		-	-	26-Feb-20	05-Mar-20		
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65 Internet Lead Time 5 5 5:444-53 5:444		50	5	18-Mar-20	24-Mar-20	5	
B Prepare Summals 20 20 64Mars00 65Mars00 65Mars0		9	10	25-Mer-20	31-Mar-20	D Material Lead Time	
81 Person Schnning 23 23 De Alary, 20 C Selection 3 The Propried Schnning 73 All Eleveres A Jagmers Schnninger 7	Switchgear	120	120	06-Mar-20	24-Aug-20	24-4up-20, Skitchgear	
0000 Mary Contract 000 Mary Contract 000 Mary Contract Mary C		8	8	06-Mar-20	09-Apr-20	Prepare Supmittels	
51 Fabrication & Centery - Switzbager 15 75 0.64My-05 0.74pr030 0.74pr300		8	8	10-Apr-20	07-May-20	AE Réview & Approve Submittels	
And Ansert Contracts		52	12	08-May-20	24-Aug-20	Fatkication & Delivery - Swithgear	
B Sherebalon Consensition Consensition <thconsensition< th=""> Consensition <</thconsensition<>		00	30	26-Feb-20	07-Apr-20	Principal Plumbing	
44 Staretial a wind Connotation 7 7 2.566-30 55.466-30 75.	Under Slab	8	30	26-Feb-20	07-Apr-20	++ of Apri20, Under State	
45 Pregree Summines 8 8 0 -0.44m-20 T-44m-20 T-44		*-	-	26-Feb-20	05-Mar-20	Skanska Award Contradts	
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Name 105 105 155-Reb-20 15-Mu/20 15-Mu/2		50	10	01-Apr-20	07-Apr-20	D Material Lead Time	
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Opwal Egy (Amplitude) Egy (Amplitude) <thegy (amplitude)<="" th=""> Egy (Amplitude)</thegy>	GMP #3	140	140	23-Apr-20	10-Nov-20	18-Not-20;50MP #3	
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Sharstale Aword Contracts - Interiors 30 23-Apr.20 04-Jun-20 Contracts Starstale Aword Co		140	140	23-Apr-20	10-Nov-20	10-Nok-20 Finishes	
Submittals / Shope / Procurement 120 214.May-20 104.Nov-20 104.Nov-20 Strework 474 409 06.Sep-19.A 02-Sep-21 1 1 Strework 149 80 06.Sep-19.A 02-Sep-19.A 22-May-20 1/do/ni/polori36. Strework 149 80 06.Sep-19.A 02-May-20 1 1/do/ni/polori36. Strework 131.Fenotion 5 0 06.Sep-19.A 05-Sep-19.A 05-Sep-19.A 1/do/ni/polori36.		8	8	23-Apr-20	04-Jun-20	Słanskip Awjad Gontracts - Interpors	
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Site Fendino 5 0 06-Sep-19.4	Mobilization & Sitework	149	80	06-Sep-19.4	22-May-20	Mabil	
	CN-137 Site Fending	50	0	06-Sep-19 A	09-Sep-19.A		
5 0 07-0ct-19.A 15-Mov-19.A		40	•	07-Oct-19.A	15-Nov-19.A	fruction Trailers Set Up	
04-Nov-19.A 05-Nov-19.A		-	•	04-Now-19.A	D5-Nov-19.A	E Existing Lightpoles	
C1+139 Erasion Control 6 0 044104-134 D64004-154 C051200 C		40	•	04-Nov-19 A	D6-Nov-19.A	Codeteel	
Actual Work Critical Bernainion Work Summary							
Remaining Level of Effort The Actual Work Criticial Remaining Work The Summary Page 4 of 16							

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EXHIBIT C



Activity Name CN-140 Sidewalk Demolition CN-142 Demo Elisting 42" RCP & 12" PVC Lines CN-145 Demo Elisting 42" RCP & 12" PVC Lines CN-145 Demo Falsoner Existing 6a Line CN-143 Install New Stormwater Structures CN-143 Install New Stormwater Lines - 2nd Mobilization CN-149 Install Stormwater Lines - 2nd Mobilization CN-145 Install Stormwater Lines - 2nd Mobilization CN-146 Install Stormwater Lines - 2nd Mobilization CN-145 Install Stormwater Lines - 2nd Mobilization CN-146 Install Stormwater Lines - 2nd Mobilization CN-146 Install Stormwater Lines - 2nd Mobilization	-	Original Duration	Remaining				
tions	Ues		Duration	N.	Finish	2020	
tions	nes	2	•	22-Nov-19 A	27-Nov-19.A	Uan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jam Feb Mar Apr May Jun twelk Detroition	n Jul Aug Sep Oct Nov
tions		-	•	02-Dec-19 A	18-Dec-19A	Denio Existing 42" RCP(8 12" PVG Lines	
tions		50	•	06-Dec-19.A	09-Dec-19A	emoj Relposte Existing Gas Line	
dions		ŧ	•	18-Dec-19 A	10-Jan-20 A	Install/New Stormwater Structures	
tions	ines & Fire Hydrant	-	1	03-Feb-20*	11-Feb-20	Demoi Chiller Vault, Communication Lines & Pire Hydrark	
tions		~		11-Feb-20	13-Feb-20	Install Crave Road	
tions	ation	\$	15	27-Apr-20	15-May-20	Install Storhwajer Lines - 2nd Mobilization	
tions		5	50	18-May-20	22-May-20	D install New Croller Vault	
		186	148	04-Dec-19 A	25-Aug-20	25-kug-20, Structure	
		8	4	04-Dec-19.A	21-Feb-20	21-Feb-20, Foundations	
		-	0	04-Dec-19.A	10-Dec-19A	eep/Foundattoins/Rock Golunjins	
ST-1001 Rebar Cages Pre-Assembly		-	so.	16-Dec-19.A	03-Feb-20	Rebar Cages Pre-Assembly	
ST-1002 F/R/P Foundations - Area A.		-	•	06-Jan-20,A	14-Jan-20 A	Firtif Foundations - Prear A	
ST-1003 F/R/P Foundations - Area B		-	•	06-Jan-20.A	23-Jan-20 A	FIRP Foundations - Area B	
ST-1004 F/R/P Foundations - Area E		22	•	23-Jan-20.A	29-Jan-20 A	E FIFIP Foundations - Area E	
		\$	15	31-Jan-20	20-Feb-20	Eackfill Foundations	
ST-1005 F/R/P Foundations - Area C		20	9	03-Feb-20 A	03-Feb-20	ERP Foundations - Area C	
ST-1007 F/R/P Elevator Pit		2	9	03-Feb-20	07-Feb-20	I FIRP Elevator Pit	
ST-1009 F/R/P Foundations - Area D		9	9	04-Feb-20 A	10-Feb-20	PRVP Foundations - Area D	
ST-1018 Building Pad / Rough Grading		••	•••	11-Feb-20	20-Feb-20	 Building Pad / Rough Grading 	
ST-1011 F/R/P Foundations - Shop Spaces		9	9	11-Feb-20	17-Feb-20	FIRUP Foundations - Shop Spaces	
ST-1008 Install Crane Pad / Access Road		~	0	13-Feb-20	17-Feb-20	Install Crane Pad / Access Road	
ST-1012 Mobilize and Erect Crane		4	4	18-Feb-20	21-Feb-20	Motbilize and Erect Crane	
Superstructure		115	115	02-Mar-20	11-Aug-20	 18-Aug-20, Superstructure 	
ST-1013 Structural Steel Erection - Truss 182 Shoring and	thoring and Erection	-	1	02-Mar-20	10-Mar-20	Structural Steel Erection - Truss 182/Shoking and Election	
ST-1014 Masonry - Shop Spaces		₽	9	09-Mar-20	20-Mar-20	Masonry - Shop Spaces	
	Seq 1-5)	ę	1	11-Mar-20	27-Mar-20	Structural Steel Enection - North Bar (Seg 1:6)	
ST-1036 Structural Steel Detailing - North Bar (Seg 1-5)	Seq 1-5)	8	8	16-Mar-20	24-Apr-20	Structural Steel Detailing - North Bar (Seq 1-5)	
ST-1015 Pour Tie-Beams - Shop Spaces		8	9	23-Mar-20	03-Apr-20	Piqur Tie-Beams Shop Spaces	
	6-7)	-	-	30-Mar-20	07-Apr-20	Structural Steel Brection - Atriumi (Set 6-7)	
	86-7)	z	2	02-Apr-20	05-May-20	Structural Site Detailing - Atrium (Sea 6-7)	
	Seq 8-12)	ę	1	08-Apr-20	24-Apr-20	Structurel Steel Erection - Soluth Bar (Seq 6-12)	
	Seq 8-12)	8	8	27-Apr-20	05-Jun-20	Structutel Steel Detailing - Bouth Bar (Seq 8-12)	
		₽	ę	18-May-20	D1-Jun-20	MEPF Deck Prep / Cogrdination	
	1 Bar (P1)	90	9	02-Jun-20	08-Jun-20	Reinforce/Flour Ind Floor Deckt North Bar (P1)	
	t Bar (P2)	2	9	08-Jun-20	15-Jun-20	Reintrice/Pour/2nd FloorDect - Noth Bar (P2)	
	n (P3)	92	9	16-Jun-20	22-Jun-20	Reinforce/Pour 2nd Floor Detk - Aptum (P3)	
	h Bar (P4)	29	50	23-Jun-20	29-Jun-20	Rethforde/Polur 2nd Fictor Detol. South Bad (P4)	
ST-1035 Reinforce/Pour 2nd Floer Deck - South Bar (PS)	h Bar (PS)	92	40	30-Jun-20	07-Jul-20	ReintotoelPpur 2nd Floor Deck - South Bar (P\$)	
ST-1021 Structural Steel FireProofing		8	8	15-Jul-20	11-Aug-20	Shundhral Steel FirePloofing	
de		100	100	06-Apr-20	25-Aug-20	25-Jug-20, State On Grade	
	op Spaces	6	•	06-Apr-20	07-Apr-20	Statiold Removal / Prtp For SCIG - Shop Spaces	
		8	2	08-Apr-20	05-May-20	Uiyder Slab MEPF/Rakon-Worth Bar	
		8	8	08-Jun-20	06-Jul-20	Under Blab MEPF/Ration South Bar	
		-	-	07-Jul-20	15-Jul-20	Cinder Stab MEPF/Radoni-Atrium	
ST-1023 FIRUP Stab On Grade - Area A		6	œ	08-Jul-20	15-Jul-20	E FIRIPISIati On Grade - Area A	



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EXHIBIT C

Optimization Desire Math Field Test Control Contro Con							
Miles Single S			Original Diretion	Remaining	Start	Finish	
Under State S <th< th=""><th></th><th></th><th></th><th></th><th></th><th>La L</th><th>Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May</th></th<>						La L	Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May
FME FG Ston (16 metric - web 5) FC S-WAID S-WAID <td></td> <td>MEPF - Shop Spaces</td> <td>in.</td> <td>5</td> <td>16-Jul-20</td> <td>22-Jul-20</td> <td></td>		MEPF - Shop Spaces	in.	5	16-Jul-20	22-Jul-20	
Fire Fire <th< td=""><td></td><td>On Grade - Area B</td><td>w</td><td>9</td><td>16-Jul-20</td><td>23-Jul-20</td><td>FRIP Sigb OntGrade - Alea B</td></th<>		On Grade - Area B	w	9	16-Jul-20	23-Jul-20	FRIP Sigb OntGrade - Alea B
FRP Sam Of the Area D 6		On Grade - Area E	w	9	24-Jul-20	31-Jul-20	E FIRP Stab On Grade - Area E
FAP Station (0.064)		On Grade - Area D	w	9	03-Aug-20	10-Aug-20	ERP Blab Dn Glade- Ares D
File Plane for date - Sono Specter 15		On Grade - Area C	w	ø	11-Aug-20	18-Aug-20	FIRE Stab On Grade - Artea C
Conditional Conditional <thconditional< th=""> <thconditional< th=""></thconditional<></thconditional<>		On Grade - Shop Spaces	un.	S	19-Aug-20	25-Aug-20	EFRLP State On Grade - Shop(Spaces
Cash Cutatrawal Sign Social	Exterior Envelope		215	215	27-Apr-20	02-Mar-21	02-Mar 21,
100 100 100 100 204003 5000000 5000000 5000000 5000000 5000000 5000000 5000000 5000000 5000000 50000000 50000000 50000000 50000000 50000000 50000000 50000000 50000000 500000000 500000000 500000000 500000000 5000000000000000000000000000000000000		sinwall	30	08	28-Sep-20	08-Nov-20	Caulk Cuntainwell
Dimension State	North Bar Building		130	130	27-Apr-20	29-Oct-20	垂
Order Stand Stand <th< td=""><td></td><td>sming & Insulation - North Bar</td><td>8</td><td>8</td><td>27-Apr-20</td><td>22-May-20</td><td>Parapet Framing & Insulation-North Bar</td></th<>		sming & Insulation - North Bar	8	8	27-Apr-20	22-May-20	Parapet Framing & Insulation-North Bar
Mit Preuls. Funders: Properts: Nonth European Manual Manua Manual Manual Manual Manual Manual Manual Manual Manu		orth Bar	\$	5	26-May-20	15-Jun-20	Footigg = Both Bar
Control Statustical <		a - Parapets - North Bar	8	8	26-May-20	22-Jun-20	Takit Panels - Parapets North Bat
Chelor Francise Construct		loped - North Bar	9	9	16-Jun-20	29-Jun-20	E Royfing- Sloped - North Bar
Mail Current Line flare, Horn Ele, 22 22 3-44/30 24-44/30		cade Framing & Insulation - North Bar	55	5	08-Jul-20	28-Jul-20	Eviterior Facade Flaming & Ibsulation - North Bar
Mid Table is a constrained by the floor - Manuppio Mid Table is a constrained by the floor - Manuppio Mid Table is a constrained by the floor - Manuppio Mid Mid<		sinwall -North Bar - North Ele.	3	8	24-Jul-20	24-Aug-20	Install Ourtainwall North Bag - North Ele.
Cheffort Lowers New Jackgoon Schwigzion New Jackgoon Schwigzion New Jackgoon Schwigzion New Jackgoon Schwigzion New Jackgoon			40	9	29-Jul-20	23-Sep-20	Takt Panels -WallElevistion at Mech Room - North Bar
Undernatin Exercision Sisting-cold			ю	s	29-Jul-20	04-Aug-20	E Edenic Louyers - North Bar
Undimentil Earlies of the section (Carriferer) Lavel 2. North Bar B D1-Sap-20 11-Sap-20		 East Elevation Level 1 - North Bar 	m	s	25-Aug-20	31-Aug-20	
Confronting - Expension End Confronting - Expension End <t< td=""><td></td><td>- East/South Elevation (Cantilever) Level 2 - North Bar</td><td>80</td><td></td><td>01-Sep-20</td><td>11-Sep-20</td><td>Curtaihwall - EaktSouth Elevation (Cantilevet) Leviel 2, North</td></t<>		- East/South Elevation (Cantilever) Level 2 - North Bar	80		01-Sep-20	11-Sep-20	Curtaihwall - EaktSouth Elevation (Cantilevet) Leviel 2, North
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Florida Polytechnic University Applied Research Center GUARANTEED MAXIMUM PRICE- GMP 02

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Doors & Hardware-NL1M 5 5 16-Sep-20	Doofs & Hardware-WL1M
CN-1049 Final Paint/L1M 3 3 16.5ep-20 18.5ep-20 1	Minat Pairs NL IM
CN-1050 Seal Concrete Floors-NL1M 3 3 16-Sep-20 18-Sep-20	Beal Contrete Floots-NUTIM
CtH-1047 Mechanical Equipment - Power Tie-in-NL1M 10 10 23-Sep-20 06-Oct-20	
	MEP Trimout/NILIM
1 - Labs/Classrooms 168 16.4ug-20	
CN-3157 Fire Protection Overhead Rough-In - NL1L 15 15 10-4ug-20 28-4ug-20 1	Fire Protection Overhead Roughtin - NL1L
CN-3158 Interior Framing - NL1L 12 12 10-4/ug-20 25-4/ug-20 2	🔲 interior Framiog - NL 1L
Remaining Level of Effort Actual Work Critical Remaining Work V Summary Page 7 of 16	

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Florida Polytechnic University Applied Research Center GUARANTEED MAXIMUM PRICE- GMP 02

	Original Duration	Remaining	1000	Eleiek	
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	•	•		07-0et-20	 Wall Blocking Complete - NL 1L
	0	•		27-064-20	 Overhead Inspections Complete INL/L
	10	10	28-Oct-20	10-Nev-20	Flame Hard Cellings & Soffits -NL1L
	20	50	24-Nov-20	22-Dec-20	insulate (Hang/ Ficish Drywall - ML1L
	9	10	23-Dec-20	07-Jan-21	Hang Finish Hard Cellings & Soffits - NL
-	10	9	08-Jan-21	21-Jan-21	Printe Paint & First Cost: NL IL
	0	10	08-Jan-21	21-Jan-21	Sealed Concrete Flooring - NL1L
CN-3175 Doors & Hardware - NL1L	51	1	22-Jan-21	08-Feb-21	Doors & Hardwate - NL-1L
CN-3176 Millwork - NL1L	in	w	22-Jan-21	28-Jan-21	D Milwow-NLit
CN-3177 Ceiling Grid - NL1L	10	10	22-Jan-21	04-Feb-21	Ceiling Grid- NL/IL
CN-3178 Polish Concrete - NL1L	9	10	22-Jan-21	04-Feb-21	Polish Condrete I NL AL
CM-3179 Install Light Fixtures & Devices - NL1L	\$5	15	27-Jan-21	16-Feb-21	Install Light Fixtures & Devices - M
CM-3180 Trim Meich ani cal Overhea d- NL1L	15	5	27-Jan-21	16-Feb-2.1	Trim Medianial Overhead - NL1L
CM-3181 Interior Glass - NL1L	10	9	05-Feb-21	18-Feb-21	Interior Gass /NL/L
CM-3182 Final Above Ceiling Inspections Complete - NL1L	0	0		16-Feb-21	Final Abole Celling Inspector's Co
CM-3183 Drop Ceiling Tiles - NL1L	80	90	17-Feb-21	26-Feb-21	Drdp Ceiling Tiles- NL IL
CN-3184 Install Sheet Vinyl Flooring and Base - NL1L	0	2	01-Mar-21	12-Mar-21	Guino
CM-3185 Install Carpet and Base - NL1L	10	w	01-Mar-21	05-Mar-21	Install Carpét and Bace - NL1L
	ei	64	08-Mar-21	09-Mar-21	Install LVT and Base ML11.
	w	w	15-Mar-21	19-Mar-21	Email Paint - Nu 11.
CN-3188 Install Lab Casework - NL 1L	01	2	15-Mar-21	26-Mar-21	Install Lab Casework - ML1L
	G	G	15-Mar-21	22-Mar-21	Install OFCI Equipremi - AL1
	10	w	22-Mar-21	26-Mar-21	Install Wall Protection - AL15
- 5	5	u)	22-Mar-21	26-Mar-21	Install Plantere - N
	10	Cu.	22-Mar-21	26-Mar-21	Cleatical Walt Tring- Night
	ю	w l	29-Mar-21	02-Apr-21	Install Lab Forme Floods - NL1L
CM-3194 Close Up Ceiling at Fume Hood Locations - NL1L	m	ന	05-Apr-21	07-Apr-21	
-	8	8	24-Sep-20	19-Jan-21	19.Jan 21, (North) Level 1 - Restrooms
	1 00	ю н	24-Sep-20	02-001-20	
- 5	0	0	02-100-00	12-12-1	
		-		15-0ct-20	
1	in	m	16-Oct-20	22-0ct-20	
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	in	w	16-Oct-20	22-0et-20	Ovelhead Fire Profection - NL1 Restroom
CM-3095 Overhead Plumbing - NL1 Restroom	in	ю	16-Oct-20	22-Oct-20	Overhead Plumbing - NL1 Restroom
CN-3084 Framed Hard Cellings - Access Panels - NL1 Restroom	ιά E	n)	23-Oct-20	29-0ct-20	D Framed Hard Cellings Access Fanels - NE1 Restrod
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Remaining Level of Effort Actual Work Critical Remaining	ning Work			Page 8 of 16	

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Other Line Line Line Line Line Line Line Line		ate / Hang / Finish Drywall - NL1 Restroom	w	9	30-Oct-20	05-Nov-20		
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Optimization 4 4 2 35-06000 <td></td> <td>& Well Tile Install - NL1 Restroom</td> <td>\$</td> <td>5</td> <td>06-Dec-20</td> <td>24-Dec-20</td> <td></td> <td>Enoc & Mail Tile Inistall - NL (Restroon)</td>		& Well Tile Install - NL1 Restroom	\$	5	06-Dec-20	24-Dec-20		Enoc & Mail Tile Inistall - NL (Restroon)
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Image: Section of Hardware, NJ, Pertonan LJ, Fertonan LJ, Fe		Accessories & Mirrors - NL 1 Restroom	e.)	67	07-Jan-21	11-Jan-21		TplietAccessoriés & Mirrois - M.1 Restroom
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Image: Solution out: U.I. Restroom 2 15 Jans 21		s and Hardware - NL1 Restroom	-	-	12-Jan-21	12-Jan-21		- Loons and Hardware - ML1 Restroom
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Internationer Internaternater Internationer Intern	_	Protection Overhead Kough-In - NLZL	2	2	23-JUD-20	1410120		
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Unrihing Overhaad Rough-In M.2L 20 20 05-Jul-20 04-Jug-20 Unrihing Overhaad Rough-In M.2L 20 20 10-Jul-20 06-Jug-20 Unthing In-wall Rough-In M.2L 25 25 15-Jul-20 06-Jug-20 Inthing In-wall Rough-In M.2L 25 25 15-Jul-20 06-Jug-20 Inthind Right Overhead Rough-In M.2L 25 25 15-Jul-20 06-Jug-20 Inthind Right Overhead Rough-In M.2L 25 25 15-Jul-20 06-Jug-20 Inthind Right Overhead Rough-In M.2L 5 15 15-Jul-20 06-Jug-20 Inthind Right Readds - NL2L 5 15 15-Jul-20 06-Jug-20 Inthin Right Readds - NL2L 6 0 0 20-Jug-20 Inthin Right Readds - NL2L 0 0 0 20-Jug-20 Inthin Right Readds - NL2L 0 0 0 00-Jug-20 Inthin Right Reading Complete - NL2L 0 0 0 00-Jug-20 Actual Kork Actual Kork 0 0 00-Jug-20 0	_	ncal Overhead Rough-In - NL2L	R	8	08-Jul-20	25-Aug-20		Electrical Overhead Rough-In - NL2L
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utthoolk Overhead Fough-In - NL2L 25 25 15-Jul-20 16-Jug-20 Eerthaad Fough-In - NL2L 25 25 17-Jul-20 20-Jug-20 Eerthaad Fough-In - NL2L 25 25 17-Jul-20 20-Jug-20 Eerthaad Fough-In - NL2L 5 5 19-Jug-20 25-Jug-20 25-Jug-20 20-Jug-20 20-Ju	-	bing In-wall Rough-In - NL2L	20	8	10-Jul-20	06-Aug-20		Plumbing Intwell Rough-In- NU2L
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-Wall inspections Complete- NL2L 0 0 20-Jug-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		and Adjust Sprinkler Heads - NL2L	w	so	19-Aug-20	25-Aug-20		Trini and Adjust Sprinkler Heads NL2.
(al Blocking Complete - NL2L Methead Inspections Complete - NL2L 0 0 0 09-Sep-20 0 09-Sep-20 0 00-Sep-20 0 00-S		all Inspections Complete - NL2L	•	•		20-Aug-20		 In-Wall Inspections Complete-NL2L
werthead Inspections Complete - NL21. D D 0 09-Sep-20 F 1 0		Blocking Complete - NL 2L	•	•		20-Aug-20		WaltBlocking Complete NL2L
Actual Work Critical Remaining Work T Summary		head Inspections Complete - NL2L	•	•		09-Sep-20		 Overhread løspektione Complete - NJ-2L
	Remaining Level of Effort	Critical Remaining Work	Summary			Page 9 of 1	9	

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Activity Name Activity Name CN-2055 Frame Hand Cellings & Soffle - NL2L CN-2063 Fraints Hand Cellings & Soffle - NL2L CN-2063 Phane Paint & First Coat - NL2L CN-2063 Perints A First Coat - NL2L CN-2063 Celling Grid - NL2L CN-2065 Celling Grid - NL2L CN-2076 Polish Concrete E NL2L CN-2077 Millwort - NL2L CN-2077 Millwort - NL2L CN-2077 Millwort - NL2L CN-2077 Millwort - NL2L	_		Remaining	3		
2		Original Duration	Duration	1 etc	Finish	2001 - 10-10-10-10-10-10-10-10-10-10-10-10-10-1
	gs & Soffits - NL2L	9	9	10-Sep-20	23-Sep-20	Jan rep Mart Apr May Jun Jun Jun Aug app Jost Nov June Jun rep Mar Apr May Jum Jun Jun Jung Sap Jost
	nish Drywell - NL2L	8	50	14-Sep-20	09-Oct-20	Issuiate / Hang / Finish Drywalt - NLPL
	Hang / Finish Hard Ceilings & Soffits - NL2L	9	9	13-Oct-20	26-Oct-20	Hang / Finish Hand Cellings & Soffits - ML20.
	Coat-NL2L	9	9	27-Oct-20	09-Nov-20	Phine Pain & First Chat- NL2L
	Iboring - NL2L	w	w	27-0et-20	02-Nov-20	Seleted Condrete/Flooting 1 NL2L
	-NL2L	80	8	10-Nov-20	19-Nov-20	Dools & Hardyare - NL2L
1 5 5		\$	10	10-Nev-20	23-Nov+20	Celling Glid - NL24
	4.21	\$	10	10-Nov-20	23-Nov-20	Polish Concrete - NL2L
		10	so.	11-Nov-20	17-Nov-20	Milwphr-NL2
	Install Light Fixtures & Devices - NL2L	¢	15	13-Nov-20	06-Dec-20	Initial LightFlixtures & Devices - NL3L
CN-2080 Trim Me dhani cal Overhead - NL2L	verhead - NL2L	ų	15	13-Nov-20	06-Dec-20	Tim Mechaniza(Overhead - NE3L
CN-2069 Interior Glass - NL2L	1	9	9	24-Nov-20	08-Dec-20	Interior Glass - NL2L
	Final Above Celling Inspections Complete - NL2L	•	•		06-Dec-20	 Final Apove Celling Inspectants Complete - NI
1	-NL2L		00	07-Dec-20	15-Dec-20	🔳 Ørap Ceiling Tiles - NL2L
	Install Sheet Vinyl Flooring and Base - NL2L	ę	2	10-Dec-20	23-Dec-20	Install Sheet Viny Thooring and Base - WL2
- 1	Base - NL2L	sin.	so.	17-Dec-20	23-Dec-20	Install Carpetand Basel-NL2L
- 1		m	n	24-Dec-20	31-Dec-20	Lingi baur - Mr 20
- 1	oods - NL2L	ND .	m	24-Deo-20	31-Dec-20	Install Lab Fume Hoods - NL2L
1	nk - NL2L	ę	9	24-Dec-20	08-Jan-21	InstallQub Casework-NLQL
	nent - NL2L	ø	g	24-Dec-20	04-Jan-21	Install OFC/Equipment-NL2L
- 1	ie - NL2L	2	54	24-Dec-20	28-Dec-20	D: Instell LyT and Bese - NL2L
- 1	ion - NL2L	w	so .	04-Jan-21	08-Jan-21	The second
1	Close Up Ceiling at Funne Hood Locations - NL2L	•	e7	04-Jan-21	06-Jan-21	Close Up Cleiing at Finne Hood Location
- 1	dures - NL2L	N)	so.	04-Jan-21	08-Jan-21	InstallPluntbingFixthes_NL20
CN-2013 Electrical Wall Trim - NL2L	1-NL2L	мî	w	04-Jan-21	08-Jan-21	II Electrical Wall Thim - NL 2U
14		101	101	10-Jul-20	03-Dec-20	
- 1	Electrical - In-wall Rough - NL2 Restroom	m	S	10-Jul-20	16-Jul-20	
- 6	Plumbing - In-wall Rough - NL2 Restoom	90	80	10-Jul-20	21-Jul-20	Plumbing - In-wall Rough - NIL2 Restro
- 1	Overhead Mechanical - Duct Install - NL2 Restroom	m	so l	17-Jul-20	23-Jul-20	I Overhead Mechanical - Duct Install - NL2 Restroom
- 1	II - NL2 Restroom	si)	so.	17-Jul-20	23-Jul-20	Overhead Electrical - NL2 Re
- 1	Overhead Fire Protection - NL2 Restroom	m	n	17-34-20	23-Jul-20	
- 1	g - NL2 Restroom	wa	s	17-Jul-20	23-Jul-20	Divertinead Plumining - NL 2 Restriction
- 1	In-Wall inspections Complete + NL2 Restroom	•	•		21-Jul-20	 In-Wall higherbors Completel- NL2 Restroom
1	Framed Hard Cellings - Access Panels - NL2 Restroom	so .	un I	01-0ct-20	07-Oct-20	Framed Hald Cellings - Access/Panels - NL2 Restroom
1	Overhead & Framing Inspections Complete - NL2 Restroom		-		07-0ct-20	Overnead & transmission Complete - NL2 Nessagam
1	Insulate / Hang / Finish Drywall - NL2 Restroom		1 0	08-Oct-20	15-Oct-20	
- 1	Kestroom	-		16-001-20	13-00-20	
1.5	Floor & Wall Tile Install - NL2 Restroom	φ.	<u>ي</u>	20-001-20	09-Nov-20	
- 2	Light Fixtures / MEP - Ceiling Trim-out - NL2 Restroom	4	4	10-Nev-28	13-Nov-20	Dight Fatures / MEP- Ceang Imm-out - ML2 Restro
	Millwork / Nanity Install - NL2 Restroom	2	64	10-Nov-28	11-Nov-20	
	- NL2 Restroom	4	4	10-Nov-20	13-Nov-20	Pluming fixtures - NL2 Restoom
1	Toilet Partitions Install - NL2 Restroom	5	62	16-Nov-20	18-Nov-20	Tolief Partitiona Install - NL2 Restroom
	Toilet Accessories & Mirrors - NL2 Restroom	e	n	19-Nov-20	23-Nov-20	Tollet Accessories & Mirrors - ML2 Restroom
	Final Paint - M1L1 Restroom - NL2 Restroom	-1	4	24-Nov-20	01-Dec-20	Final Paint - WIL1 Restroom - NL2 Restroom
CN-3115 Doors and Hardware - NL2 Restroom	ire - NL2 Restroom	-	-	24-Nov-20	24-Now-20	I: Doors and Hardware - ML2 Restroom
	and the second second			-		
Remaining Level of Effort Actual Work	Critical Remaining Work	Summary			Page 10 of 16	

Answert Answert <t< th=""><th></th></t<>	
Other Other <th< th=""><th>1000 0000</th></th<>	1000 0000
01.3116 Electrical .voli frantioau .vil.2 freatoria 2 2 0.0.30e.50 01.3126 Electrical .volu frantio .vil.2 freatoria 4.1 2 25.449.50 01.31205 Electrical / Data / X ⁻¹ h-wall floophin - ML3O 1 2 25.449.50 01.31205 Electrical / Data / X ⁻¹ h-wall floophin - ML3O 1 2 25.449.50 01.31205 Derrhead Methanical - Elean i Pipel Ductingali ML3O 5 5 2.3.489.50 01.31205 Orerhead Methanical - Elean i Pipel Ductingali ML3O 5 5 2.3.489.50 01.31205 Orerhead Methanical - Elean i Pipel Ductingali ML3O 5 5 2.3.489.50 01.31205 Orerhead Methanical - Elean i Pipel Ductingali ML3O 5 5 2.3.489.50 01.31205 Orerhead Methanical MEP - Celling Timout: NL3O 5 5 1.3.465.50 01.31305 Celling Sid - ML3O 5 5 1.3.465.50 1.3.466.50 01.31305 Celling Sid - ML3O 5 1.3.466.50 1.3.466.50 1.3.466.50 01.31305 Celling Sid - ML3O 5	U Aug Sep Oct Nov Dec Jan Feb Mar Apr May
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CN-3022 Imeriar Warl & Soft Franting - (N.1.D) C2 S5-449_20 CN-3025 Imeriar Warl & Soft Franting - (N.1.D) C S5-449_20 CN-3025 Imeriar Warl & Soft Franting - (N.1.D) C S5-449_20 CN-3025 Imeriar Warl & Soft Franting - (N.1.D) C S5-5 S2-559_200 CN-3025 Owenead Rechanical - Beam Piper Fouctinabili - NL2O S S2-559_200 C CN-3025 Owenead Rechanical - Beam Piper Fouctinabili - NL2O S S S2-559_200 C CN-3035 Prime Paint - NL2O S S S S2-559_200 C CN-3035 Prime Paint - NL2O S S S S2-559_200 C CN-3035 Denna and Marxime - NL2O S S S2-559_200 C S S2-559_200 C S S2-559_200 C S S2-559_200 S S S2-559_200 S S2-559_200 S S S S2-559_200 S S S2-559_200 S S2-555_200_200 S S <td>29-Dot-20, (North Level 2 - Diffees</td>	29-Dot-20, (North Level 2 - Diffees
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CN-3027 Overnead Electrical - NL2O S <	Doverhead Mechanical: Beam / Piper Duct Install - NI:20
CN-3026 Demenad Fire Protection - ML2O Signal Section Signal Section Signal Section CN-3030 Imme Famir - ML2O Signal Section Signal Section Signal Section Signal Section CN-3030 Imme Famir - ML2O Signal Section Signal Sectin Signal Section S	Overhead Electrical - NL20
ON-3026 Finite Paint-NL20 S	Overhedd Fire Projection - NL20
CN-3030 Celling Girl - ML20 5 5 15-04-30 CN-3031 Interfor Giass Partition Insuli - ML20 2 2 05-04-30 CN-3033 Ught remer / MEP - Celling Trimout - ML20 2 2 05-04-30 CN-3035 Number - ML20 2 2 05-04-30 CN-3035 Roller Shade habili - ML20 2 2 13-04-30 CN-3035 Roller Shade habili - ML20 2 2 13-04-30 CN-3035 Roller Shade habili - ML20 2 2 2 2-04-30 CN-3035 Roller Shade habili - ML20 2 2 2 2 2-04-30 CN-3035 Roller Shade habili - ML20 2	Printe Paint J NL 20
CN-3031 Interfor Gaes Partition Install - NL2O S S DS-04:30 CN-3032 Doms and Peridivare - NL2O 2 2 08-04:30 CN-3035 Dight Findures - NL2O 2 2 13-04:30 CN-3035 Rollmonk - NL2O 2 2 13-04:30 CN-3035 Final Parit - NL2O 2 2 13-04:30 CN-3035 Final Parit - NL2O 2 2 13-04:30 CN-3035 Celing Tim Incut - NL2O 2 2 13-04:30 CN-3035 Celing Tim Incut - NL2O 2 2 13-04:30 CN-3035 Celing Tim Incut - NL2O 2 2 2 2 CN-3035 Electrical & Data - Wall Tim-cut - NL2O 2 2 2 2 CN-3035 Electrical & Data - Wall Tim-cut - NL2O 2 2 2 2 CN-3035 Electrical & Data - Wall Tim-cut - NL2O 2 2 2 2 CN-3035 Electrical & Data - Wall Tim-cut - NL2O 2 2 2 2<	Celling Grid - NI20
CN-303.2 Doorn and Hardware. NL2O S 2 08-06-20 CN-303.3 Light Fintures / MEP - Celing Timout. NL2O 5 5 15-06-20 CN-303.4 Minuork NL2O 2 2 15-06-20 CN-303.4 Minuork NL2O 2 15-06-20 15-06-20 CN-303.5 Final Final HuL2O 2 2 15-06-20 CN-303.5 Final Final HuL2O 2 2 15-06-20 CN-303.6 Final Final HuL2O 2 2 15-06-20 CN-303.6 Electrical 8. Data - Well Trim-curtNL2O 2 2 2-06-20 AN3000 Subcontractor Functh Completion 5 5 11-Jan-21 AN3000 Stanska Funch 10 10 10 16-Jan-21 AN3000 Final Clean 10 10 10 16-Jan-20 AN3000 Final Clean 10 10 10 11-Jan-21 AN3000 Final Clean 10 10 10 12-Jan-20 AN3000	Interior Glasts Patron Install - ML20
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CN-3034 Millwork-NL2O 2 13-06420 13-06420 CN-3035 Roller Shade Install - ML2O 2 2 13-06420 2 CN-3035 Final Paint-ML2O 2 2 2 2 2 CN-3035 Electrical & base Install - ML2O 2	Light Fixthes MER - Celling Trimbut - NL20
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CN-3035 Final PaintVL20 4 4 20-06420 CN-3037 Celling The InstallNL20 2 2 2 2 CN-3037 Celling The InstallNL20 2	I Rollef Shade Initial NL20
CN-3037 Celling The Install - NL2O 2 23-06420 2 CN-3038 Electrical & Dota - Wal Trim-out - NL2O 2 </td <td>I Final Paint- NL20</td>	I Final Paint- NL20
CN-3038 Electrical & Data - Well Trim-curt-NL2O 2 2 2-5-C4t-20 Ant 2330 Carpet & Base Instail - NL2O 3 3 27-C04:20 Ant 2330 Subcontractor Punch Completion 5 5 11-Jan/21 Ant X3000 Subcontractor Punch Completion 5 5 11-Jan/21 Associ Final Clean 10 10 10 10 11-Jan/21 Associ Final Clean 13 <	D Ceiling the Install NL2O
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N.3001 Stansta Punch 10 10 10 10 10 10 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 15 5. 15 10. 11.4 10. 11.4 10. 11.4 10. 11.4 10. 11.4 10. 11.4 10. 11.4 10. 11.4 11.4 10. 11.4	Subcontractor Punch Completion
N-3002 Final Clean 5 5 15-Jan-21 N-3003 Architect & Engineer Funch 10 <t< td=""><td>Skanska Puntch</td></t<>	Skanska Puntch
N-3003 Architect & Engineer Punch 10 10 01 Feb21 000 Free Hard Cellings & Soffts 33 13-Mox/20 33 010 Erent Hard Cellings & Soffts 33 31-Mox/20 33 011 Electrical Rough-In (Hard Cellings & Soffts) 33 33 13-Mox/20 012 Fire Protection Rough-In (Hard Cellings & Soffts) 35 35 142-Dec/20 14 003 MEP Inspections Complete 0 0 0 0 0 14 12 14 12 12 12 14 12 14 12 12 12 12 14 16<	D Final Clean
Mile March Mile Mile <t< td=""><td>Architect & Engineer/Punkh</td></t<>	Architect & Engineer/Punkh
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Fire Protection Rough-In (Hard Ceilings & Soffis) 25 25 29.Dec.20 MEP Inspection Complete 0 0 0 5466-21 Insulate (Hang / Finish Drywell 20 20 20 25 29.Dec.20 Final Protection Rough-In Complete 20 20 20 20 25 5466-21 Insulate (Hand Complete 12 12 12 12 3466-21 12 Install Quark (Hand Scinnal Adjustments 10 10 10 10 13466-21 14 Install Glass Quard Ralis 20 21409/20 2	Electrical Rough-in (Hard Cellings & Soffits)
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Insulate / Hang / Finish Drywall 20 20 03-Feb-21 Final Paint 12 12 12 03-Mar/21 Install Light Fintures 12 12 03-Mar/21 12 Sprinkler Heads Final Adjustments 10 10 10 10 24-Mar/21 Sprinkler Heads Final Adjustments 10 10 10 24-Mar/21 14-Mar/21 Polish Concrete & Saal Floors 20 20 20 24-Mar/21 12 24-Mar/21 Final Class Guard Rails 210 20 20 26-Mar/21 27 24-Mar/21 27 Polish Concrete & Saal Floors 15 15 12 23-Apr/21 2 2 24-Mar/21 2 2 24-Mar/21 2 2 24-Mar/21 2 2 2 2 2 2 2 2 2 4 2 2 4 2 2 4 4 2 4 2 4 2 4 4 4 4 4	MEP Inspections Complete
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Install Light Fixtures 15 15 15 18-Mar:21 Sprinkler Heads Final Adjustments 10 10 10 10 13-Mar:21 Install Class Guard Rails 20 20 20 20 23-Mar:21 Final Clean 15 15 15 15 23-Mar:21 Final Clean 20 20 20 20 20 20 Final Clean 5 14-Mar;21 5 14-Mar;21 12 14/Ma;21 12 Final Clean 5 5 14-Mar;21 5 14-Mar;21 12 14/Ma;21	Final Paint
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Install Glass Guard Rails 20 20 26-Mar.21 Foulish Concrete & Seal Floors 15 15 23-4pr.21 Final Clean 5 14-May.21 1 Door Frame Installation - Shop 12 31-4up.20 1 Mentanical Overhead - Shop 10 10 06-5ep.20 Electrical Overhead - Shop 8 8 22-5ep.20	Sphinklijk Heads Final Adjustments
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Door Frame Installation - Shop 123 31-kug-20 Nechanical Overhead - Shop 5 5 31-kug-20 Electrical Overhead - Shop 10 10 05-5ep-20	Enal Clean
Door Frame Installation - Shop 5 5 31-Jug-20 Mechanical Overhead - Shop 10 10 08-Sep-20 Electrical Overhead - Shop 8 8 22-Sep-20	24-Feb-21, ShopiCapshne
Mechanical Overhead - Shop 10 10 26-56-20 Electrical Overhead - Shop 8 8 22-56p-20	Der Frame/Installation - Shop I I I I
Electrical Overhead - Shop	
Plumbing Overhead - Shop 8 02-Oct-20	Plumping Eventead- Shipp
Electrical Wall Rough & Raceways - Shop 8 8 15-0ct-20	Electrical Wall Rough & Radeways Shop
Punch Walk-throughlinspections - Shop 5 27-Oct-20	Prunch Walkathrough Anspectang - Shop
Turnover Clean - Shop 3 27-Oct-20	I Turbove Clean - Shop
CH-1015 Install Temporary Doors- Shop 3 27-004-20 29-004-20 []	It Install Tempolary Doors - Stop

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Florida Polytechnic University Applied Research Center GUARANTEED MAXIMUM PRICE- GMP 02

Activity ID Activity Name Activity Name CH-1014 Permanent Power and Air CH-1014 Permanent Power and Air CH-1012 Plumbing Fixtures - Shop CH-1012 Plumbing Fixtures - Shop South Level 1 - Mechanical Room M100						
		Original Duration	Remaining	Start	Finish	2020 2021
					1	
	Power and Air		-		28-Dec-20	put Howegand Pur
	Lab Casework Installation - Shop	un.	en.	10-Feb-21	16-Feb-21	Cato Case evolution and a case of the state
	dures - Shop	m	m	17-Feb-21	19-Feb-21	Plunbling Fixthes (Shop
South Bar Building (South) Level 1 (South) Level 1 - Mechanical	Doors and Hardware Installation - Shop	m	m	22-Feb-21	24-Feb-21	Dodrs and Hardware Installation Shop
(South) Level 1 (South) Level 1 - Mechanical		196	196	10-Jul-20	16-Apr-21	16-Apr-215 South Bat Building
(South) Level 1 - Mechanical		168	168	19-Aug-20	16-Apr-21	16-Apr-21 (Sol
	Room M100	102	781	18-AUG-20	12-080-01	
	F/R/P Equipment Pads - SL1M	9	2	19-Aug-20	01-Sep-20	I I I I I I I I I I I I I I I I I I I
	Fire Protection Overhead Rough-In - SL1M	8	ន	26-Aug-20	23-Sep-20	Fire Protection Overhead Roligh-in - SLIM
	ting - SL1M	5	12	26-Aug-20	11-Sep-20	Interior Framing- SLIM
CS-1001 Ductwork Ov	Ductwork Overhead Rough-In - SL1M	33	8	10-Sep-20	15-Oct-20	Duction Dverfead Rough-In- SL M
CS-1008 SetAir Handl	SetAir Handling Unit (AHU-2) [Room M-100] - SL1M	ы	64	10-Sep-20	11-Sep-20	I SetAir Handling Unit(AHU-2) Foom M-100] SUIM
CS-1006 Electrical & F	Electrical & Fire Alarm In-wall Rough-In - SL1M	8	30	14-Sep-20	09-Oct-20	Electrical & Fire Alarmi In-wall Rough-In - SL1M
CS-1007 Plumbing In-	Plumbing In-wall Rough-In - SL1M	8	50	14-Sep-20	09-Oct-20	Pluntsng In-walf Rough-Id - SLITM
CS-1092 SetAir Handl	SetAir Handling Unit (AHU-3) [Room M-100] - SL1M	64	64	14-Sep-20	15-Sep-20	 Set Air Hapdling Unit (AHU-3) gRodm Mrt000; SL 1M
CS-1009 Set Chilled B	Set Chilled Beam Pumps (CBP-1, CBP-2) [Room M-100] - SL1M	~	2	16-Sep-20	17-Sep-20	1 Bet Chillel Beam Punpa (CBP-1, CBP-2) [Rhom M-100] - 51.1M
CS-1010 Set Chilled V	Set Chilled Water Pumps (CHP-1, CHP-2) [Room M-100] - SL1M	2	~	18-Sep-20	21-Sep-20	 Set Chilled Water Funnis (CHP-1) CHR-2) [Boond M-100] - SL11
CS-1013 Mechanical F	Mechanical Piping Equipment Tie-Ins - SL1M	35	88	22-Sep-20	10-Nev-20	Mechanical Pipeng Eguipment Jie-lijs - SL-1M
CS-1000 Electrical Ow	Electrical Overhead Rough-In - SLIM	35	35	24-Sep-20	12-Nov-20	Bechical Qverifiead Pough-In: SL (M
CS-1011 Install Fan Co	Install Fan Coil Units - SL1M	10	10	01-0ct-20	15-Oct-20	instal FanCoil Unite - Surfim
CS-1020 In-Wall hspe	In-Wall hspections Complete - SL1M	0	0		09-Oct-20	 Inj-Wall Inspectories Complete - SL1 M
CS-1821 Wall Blocking	Wall Blocking Complete -SL1M	œ	0		09-Oct-20	Wall Blocking Complee - SL 11/1
CS-1002 Mechanical F	Mechanical Piping Overhead Rough-In - SL1M	45	\$	16-0ct-20	18-Dec-20	Methanical Piping Evenhead Rough-In-SL-M
CS-1014 Ductwork Eq.	Ductwork Equipment Tie-Ins - SL1M	30	90	16-0ct-20	30-Nev-20	Ductwork Equipment Te-Ins - SUIM
	Insulate / Hang / Finish Drywall - SL1M	8	53	20-0ct-20	23-Nov-20	insulate /Hang / Finish Drywall - \$L 1M
	Install Electrical Switchgear - SL1M	ġ	0	27-0dt-20	09-Nov-20	Install Electrical Switchige er- SL-1M
	Pull & Terminate Wire - SL 1M	40	9	27-0d-20	22-Dec-20	Pull & Tehnindte Mire - SL 1M
	Electrical Equipment Tie-Ins - SL 1M	40	9	30-Oct-20	28-Dec-20	Electrical Equipment TB-Inst- SL IM
	Prime Paint & First Coat - SL 1M	30	8	10-Nov-20	08-Dec-20	Pline Paint & Fist Cdat - SL 1M
CS-1004 Plumbing Ov	Plumbing Overhead Rough-In - SL1M	30	30	13-Nov-20	28-Dec-20	Plunbing Overhead Raughtin SLIM
CS-1019 Doors & Hard	Doors & Hardware - SL1M	m	m	09-Dec-20	21-Dec-20	Dowis & Hardware SLM
CS-1023 Final Paint - SL1M	SL1N	15	15	09-Dec-20	30-Dec-20	Final Paint-St.166
CS-1025 Seal Condret	Seal Concrete Floors - SLIM	\$	9	09-Dec-20	22-Dec-20	Seak Concrete Floors - SL1M
CS-1022 MEP Trimout - SL1M	t-SL1M	10	10	31-Dec-20	14-Jan-21	MEP Thindut - SL 116
-	raoms	151	151	14-Sep-20	16-Apr-21	16-Apr-21 (South) Level 1-1
	Fire Protection Overhead Rough-In - SL1L	\$	\$	14-Sep-20	02-Oct-20	-
CN-3234 Interior Framing - SL1L	ing - SL fL	12	12	14-Sep-20	29-Sep-20	
CN-3235 Wall Top Out - SL1L	1-SL1L	7	7	17-Sep-20	25-Sep-20	Mail Top/Out -SL15
CN-3236 Electrical Ow	Electrical Overhead Rough-In - SLIL	35	35	28-Sep-20	16-Nov-20	Electrical Overhead/Rough-In- SLIL
CN-3237 Plumbing Ov	Plumbing Overhead Rough-In - SL1L	8	50	28-Sep-20	26-Oct-20	Pluinising Oremead Rough-in - SL1L
CN-3238 Plumbing In-	Plumbing In-wall Rough-In - SL1L	8	8	30-Sep-20	28-0ct-20	Pluhbing In-wall Rough-In -SL1.
CN-3239 Ductwork Ov	Ductwork Overhead Rough-In - SL1L	25	35	05-Oct-20	09-Nov-20	Cluctwork Overhead Bough-In / SL 1).
	Electrical & Fire Alarm In-wall Rough-In- SL1L	8	8	070ct-20	11-Nov-20	Bechical & Fireklanh In Mall Rough-In- 5L1U
	Mechanical Piping Overhead Rough-In- SL1L	\$	13	10-Nov-20	02-Dec-20	Mechanical Piping Overhead Raughan-SLIL
CN-3242 Trim and Adj	Trim and Adjust Sprinkler Heads- SL1L	w	w	10-Nov-20	16-Nov-20	Trim and Adjust Spriphler Heads- SLIL
CN-3243 In-Wall hspections Complete-SL1L	ections Complete-SL1L	0	•		11-Now-20	In the second seco

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Activity ID	Activity Name	Original Duration	Remaining	Start	Frish	2021
PPUL NO	4 Walt Ricetton Convicts. St 11	-	-		1an Jan	n Feb Mar Apr May Jun Jul Aug Sep Dot Nov Deo Jan Feb Mar Apr May Jun Jul Aug Sep
CN-3246	-	0	•		02-Dec.20	•
CN-3247		9	1	03-Dec-20	15-Dec-20	Erane Hard Cellings & Spiller- SL1L
CN-3245		8	20	23-Dec-20	21-Jan-21	insulate (Hank) Finish (Investigate (Hank) Finish (Investigate (Hank)
CN-3248	8 Hang / Finish Hard Ceilings & Soffits-SL1L	9	10	22-Jan-21	04-Feb-21	Hang /Finish Haid Ceilings & Spifits SL
CN-3249	9 Prime Paint & First Cost - SL1L	9	9	05-Feb-21	18-Feb-21	Prime Paint & First Doat: SL &L
CN-3250		'n	un	05-Feb-21	11-Feb-21	I Sealed Cohoreth Flobring-SLIL
CN-3251		ο I	60 L	19-Feb-21	02-Mar-21	
CN-5202		0	n :	12-00-01	17-09-1-07	
CN-5253	 Celling Grid - SLTL Dolleh Concerts _ SLII 	2 9	2 9	19-Feb-21	04-Mar-21	
CM-3566		2 4	2 ¥	Dallah Di	16.Mar.21	
CN-3256		3 10	2 ¥2	24-Feb-21	16-Mar-21	Tim Vechanical Overhead- 30.
CN-3257	1	6	10	05-Mar-21	18-Mar-21	in Interfor Glass-BL1L
CN-3258	8 Final Above Celling Inspections Complete - SL1L	•	0		16-Mar-21	Einal Above Celling Inspections Comple
CN-3259	9 Drop Ceiling Tiles - SL1L	æ	60	17-Mar-21	26-Mar-21	Drap Celling files - SL fL
CN-3260	0 Install Sheet Vinyl Flooring and Base - SL1L	6	9	22-Mar-21	02-Apr-21	Install Sheet/Vinyf Flooting and
CN-3261		io.	'n	29-Mar-21	02-Apr-21	I Install Carpet and Base-S
CN-3262		'n	w	05-Apr-21	09-Apr-21	Final Paint SL1
CN-3263		in.	u)	05-Apr-21	09-Apr-21	
CN-3264		9	9	05-Apr-21	16-Apr-21	
CN-3265		D I	9	05-Apr-21	12-Apr-21	
CN-3266	6 Install LVT and Base- SLIL		-	05-Apr-21	06-Apr-21	
1076-ND	- 1	n e	n e	12-14-21	12-10-01	
CN.3769	1		5 67	12.4mr.21	16.4nr.21	Install Plumbing Forthres, SL
CN-3270	-			10-March	16.460.01	
(South11 a	1	E E	F	79-Det-20	10.Feb.01	South level . Pe
CN-3118	8 Plumbing - In-wall Rough - SL1 Restroom	0	60	29-Oct-20	09-Nov-20	SL 1 Restroom
CN-3117	4	LO LO	5	12-Nov-20	18-Nov-20	Electrical In-Wall Hough - Stif Restroom
CN-3123	3 In-Well Inspections Complete - SL 1 Restroom	0	•		18-Nov-20	
CN-3119		ŝ	ŝ	19-Nov-20	25-Nov-20	Overhead Mechanical J Duct Install - SL 1 Restroom
CN-3120		'n	un i	19-Nov-20	25-Nev-20	Overhead Electrical - S. 1 Restroom
CN-3121		'n	ъ	19-Nov-20	25-Nov-20	Overhead Fire Protection - SL 1 Restroom
CN-3122		10	m	19-Nov-20	25-Nov-20	Overhead Plynbing - SLI Restroom
CN-3124	Framed Hard Ceilings - Access Panels - SL1 Rest	n	w	3D-Nov-20	04-Dec/20	D Figured Hard Cellings - Actess Panels - SL1 Restroom
CN-3125	- 1	•	-		04-Dec.20	Overheid & Franhing hisperbolds Complete - SL1 Restro
CN-3126		io d	un la	06-Dec-20	10-Dec.20	Insulate / Hang / Finish Drywell - SL1 Restroo
CN-3127	- 1	N 1	ea 1	11-Dec-20	14-Dec-20	
CN-3128		2	12	28-Dec-20	18-Jan-21	
CN-3129		-g (19-Jan-21	22-Jan-21	Cupitit Hydures / MEP - Cetting, Inmeourt - SL
CN-3130		2	-	19-Jan-21	20-Jan-21	Millwork/Namer ISI Restroom
CN-3131		4	4	19-Jan-21	22-Jan-21	
CN-3132	- 1	m	m	25-Jan-21	27-Jan-21	11 Tollet Partitions Install 4 SLI Restroom
CN-3133	3 Toilet Accessories & Mirrors - SL1 Restroom	m	en	28-Jan-21	01-Feb-21	Diffet Apressones & Merrorg - SL/I Restroom
Remaining Land of	Effort Antual Work Critical Remarking Work	Summer		-	Dana 12 of 16	
Remaining Level of Error.	Actual Work			_	Page 13 UL 10	



Actority Name Actority Name Depactor Direction Start Final Petitic - NTLI Restroom 4 4 0.0764-211 Doors and Hardware - SLI Restroom 1 1 1 0.0764-211 Doors and Hardware - SLI Restroom 2 2 0.0646-211 0 Eleminal - Wall Tim-out - SLI Restroom 67 20-063.00 0 0 Intervioux & Soft Framing - SL10 15 12 22-063.00 0 Intervioux & Soft Framing - SL10 15 12 22-063.00 0 Insulate / Hing / Finish Drywait - SL10 1 14 14 12-004.20 Insulate / Hing / Finish Drywait - SL10 0	Jun Feel Mar Apr May Jul Aug See Dor Nov Des Jan Feel Mar Apr May Jun Jul Aug See Dor Nov Jul Aug See Dor Su Jul Aug See Dor Su Jul Aug See Dor Nov Jul Aug See Dor Su Jul Aug See Dor Nov Jul Aug See Dor Nov Jul Aug See Dor Nov Jul Aug See Dor Su Jul Aug See See See See See See See See See Se
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Wall Top Out - SL2L	
Electrical Overtread Rough-In - SL2L 35 35 24-Jul-20	Sep-20 Electrical Overhead Rough-In / SL2.
Plumbing Overhead Rough-In - SL2L 24-Jul-20 24 -Jul-20	
Plumbing In-wall Rough-In - SL2L 28-Jul-20 28-Jul-20	
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Overhead Inspections Complete - SL2L	•
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CN-3211 Prime Paint & First Coat - SL2L 10 10 10 23-Dec-20 22-Dec-20	
CN-3212 Sealed Concrete Flooring -SL2L 5 5 5 99-Dec-20 15-Dec-	15-Dec-20 5ealed Concrete Flooring - 5L2L
CN-3213 Doors & Handware -SL2L 8 8 23-Dec-20 05-Jan-21	
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CN-3071 Roller Shade Install - SL20		29-Dec-20	04-Jan-21	Rdlier Shade Install - SL20
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CN-3073 Ceiling Tile Install - SL20		14-Jan-21	19-Jan-21	D Celifyg Tile Install - SL20
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CS-2075 Architect & Engineer Punch 10	-	05-Feb-21	18-Feb-21	Architect & Engineer Putch
		06-Nov-20	02-Mar-21	02-Mar/21. Elevators
CE-1000 Install Elevators 80		06-Nov-20	02-Mar-21	
	2 102	12-Aug-20	07-Jan-21	4 01-Lab-21, Stails
Install Staits		12-Aug-20	23-Sep-20	
CT-1001 Stair Finishes 40	-	10-Nov-20	07-Jan-21	
& Landscape	2	03-Mar-21	09-Jun-21	P 09-Jun-21, Handscape
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HD-1002 Landscaping 30		28-Apr-21	09-Jun-21	
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CO-1000 Test & Balance 25		18-Feb-21	24-Mar-21	Tests Boance
CO-1001 CHW Commissioning 20		25-Mar-21	21-Apr-21	CHW Coennissioning
CO-1006 Fume Hood Certification 15		25-Mar-21	14-Apr-21	Fume Hood Cetification
CO-1007 Develop Test & Balance Report 10	_	25-Mar-21	07-Apr-21	Develop Test & dalance Report
CO-1002 HHW Commissioning 20	90	22-Apr-21	19-May-21	HHW Continuestioning
CO-1003 Plumbing Systems Commissioning 20	-	20-May-21	17-Jun-21	Plumbing Bystems Com
CO-1004 Electrical Systems Commissioning 20	8	20-May-21	17-Jun-21	Electrical System
CO-1005 Develop Final Cx Report 9		18-Jun-21	30-Jun-21	Develop Final Cx Res
Closeout 60	09	10-Jun-21	02-Sep-21	
CL-1000 Final Inspections 10		10-Jun-21	23-Jun-21	Final Inspections
CL-1001 Substantial Completion 0	_		30-Jun-21	Substantial Completion
CL-1002 Move-In 40		01-Jul-21	26-Aug-21	
Closeout	\$	01-Jul-21	02-Sep-21	Cleseolt
CL-1004 Punch List- Complete 45	_	01-Jul-21	02-Sep-21	
CL-1005 Final Completion 0	•		02-Sep-21	Elifal Chmpl

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Florida Polytechnic University Applied Research Center GUARANTEED MAXIMUM PRICE- GMP 02





AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

EXHIBIT C

CONSTRUCTION MANAGER'S PERSONNEL

1.2 Project Team

Deviation from, or revisions to this list must be pre-approved in writing by the Owner's Project Manager. Construction Manager's employee rates will be subject to Article 4.3 of the Agreement.

Senior Vice President/ Account Manager – Chuck Jablon

Project Executive - Mark McLaughlin

Project Manager - Sarah Vasconi Vowels

Project Engineer - Katherine Hamer

Project Engineer – Matt Warrilow

Project Accountant – Charlotte Santillana

Project Superintendent - Dale Striker

Project Superintendent - Mike Mealor

Resumes of Team members that have been added to the project since submission of GMP 2 are on the following pages.



Personal Stats

2 years in industry

2 years with Skanska

University of Florida B.S., Sustainability and Built Environment

Katharine Hamer

Project Engineer

Katharine is responsible for contracts, submittals, RFIs and change orders. She assists the project manager with bid packages, procurement, schedule reporting, cost reporting and permitting. Katharine also tracks and inspects material deliveries and assists with project status reports and meetings.

University of Central Florida, Dr. Phillips Academic Commons, Orlando, FL

\$48 million, 185,000-SF project involves the construction of a new 165,000-SF Academic Building and 20,000-SF of renovations to the existing Center for Emerging Media. Related site and enabling work is included to accommodate the greatly expanded urban campus.

Phillip and Patricia Frost Museum of Science, Miami, FL

\$250 million, 258,000-SF state-of-the-art science and technology museum, planetarium and aquarium. The world-class, five-story facility includes a 500,000-gallon saltwater aquarium, a 220-space parking garage and the fit-out for 3,500-SF in tenant space. We came onto the project after the original contractor was let go and overcame enormous challenges as we also completed underground utilities, ticketing and office areas, concessions and other amenities.

Jackson Health Systems, Modernization, Project D, Miami, FL

\$112 million, mutiple phase modernization project at six separate locations at the main campus for Florida's largest indigent healthcare provider. The scope includes cosmetic upgrades, ADA upgrades and relocations and renovations of existing clinics and office spaces.





AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

EXHIBIT D

GUARANTEED MAXIMUM PRICE PROPOSAL

GUIDELINES FOR CONSTRUCTION MANAGERS FOR THE PREPARATION OF **GUARANTEED MAXIMUM PRICE PROPOSALS**

MINOR PROJECTS GUARANTEE MAXIMUM PRICE PROPOSAL

Project Name:	FPU - Applied Research Center	Date:	2/26/2020
FPU Building Name:	Applied Research Center	Architect/Engineer:	НОК
Constructor Manager:	Skanska USA Building, Inc.	A/E Project Manager	Syve-roy Grant
CM Project Manager:	Sarah Vasconi Vowels	FPU Project Manager:	Brent McLean
CM Project Executive:	Mark McLaughlin	FPU AVP F&SS:	David Calhoun

Ī. COST OF WORK

A. General Conditions	
Skanska Site Personnel	\$1,100,000
General Requirements - Site Office/ Monthly Expenses	\$142,600
General Requirements - Trade Contractors	\$49,600
Subtotal A – General Conditions/ General Requirements	\$ 1,292,200

Subtotal A – General Conditions/ General Requirements

B. Self-Performed Work (requires Project Manager's Approval)

Subtotal B – Self-Performed Work			\$0
C. Trade/Sub-Contract Work			
Name: TBD	Trade:	Masonry	\$117,000
Name: TBD	Trade:	Roofing	\$999,797
Name: TBD	Trade:	Exterior Weatherscreen	\$1,219,989
Name: TBD	Trade:	Metal & Concrete Rainscreen	\$1,767,983
Name: TBD	Trade:	Exterior Curtainwall	\$2,523,900
Name: TBD	Trade:	Elevators	\$226,300
Name: TBD	Trade:	Fire Protection	\$325,000
Name: TBD	Trade:	HVAC	\$4,600,384
Name: TBD	Trade:	Electrical	\$2,210,287
Name: TBD	Trade:	Site Concrete (Allowance)	\$116,500
Name: TBD	Trade:	UG Plumbing (Allowance)	\$500,000

Subtotal C – Trade/Sub-Contract Work	\$14,607,140
Cost of Work Subtotal (A+B+C)	\$ 15,899,340

II.	CM FEE (4.0%) X (A+B+C)	\$680,395
III.	BONDS & INSURANCE (Bonds are required for all projects over \$100,000.00)	\$666,560
IV.	CM CONTINGENCY (Negotiated % of Cost of Work Subtotal A+B+C)	\$443,980
V.	FPU PERMIT FEE	\$0
VI.	PRE-CONSTRUCTION SERVICES (Separate Agreement)	\$0
		40

EXHIBIT D

TOTAL GMP (I + II + I	I + IV + V+VI)	\$17,690,275
VI. CONTRACT TIME:		Calendar Days
Number of Days from N	tice to Proceed to Substantial Completion	646
VII. CLARIFICATIONS:		
1. See Clarifications, Qua	ification and Assumption section of GMP 2 Proposal	
2.		
VIII. DRAWINGS AND SP (our price is as per the f	ECIFICATIONS: bllowing drawing sheets and specifications)	
1. See Drawing Log attac		
2.		
IX. ATTACHMENTS:		
1. Include in GMP 2 Prop	osal	
2.		

XI. The undersigned have reviewed this proposal and recommend an award of a purchase order and Notice to Proceed for the described work.

UNIVERSITY APPROVAL

The undersigned have reviewed this proposal and recommend an award of a purchase order and Notice to Proceed for the described work.

Skanska USA Building Inc. will provide services to Florida Polytechnic University as described herein, subject to the governing terms of the Agreement between Skanska USA Building, Inc. and the Florida Polytechnic University Board of Trustees, pursuant to the Agreement For Construction Management Services dated July 2, 2018

The services will be properly invoiced based on the percentage of the actual services that have been completed in accordance with the terms of the Agreement between Skanska USA Building, Inc. and the Florida Polytechnic University Board of Trustees pursuant to the Agreement For Construction Management Services dated July 2, 2018



EXHIBIT D

UNIVERSITY:

The Florida Polytechnic University

Board of Trustees

Signature

Dr. Randy Avent Print Name

Date

CONTRACTOR:

Signature

Print Name

Date

Approved as to form and legality:

David J. Brunell BY: Florida Poly Actorney

DATE: February 12, 2020

Approved by University Board of Trustees

DATE: _____



EXHIBIT D

GMP 02 - Proposal Summary

						February 26, 2020
Pkg	Package Description	Package Price	VE	GMP-02	Cost / SF 93,500	NOTES
01A	General Conditions & Requirements	\$142,600	\$0	\$142,600	\$1.53	
01B	General Requirements (Trade Work)	\$49,600	\$0	\$49,600	\$0.53	
04A	Masonry	\$117,000	\$0	\$117,000	\$1.25	
07A	Roofing	\$1,041,793	-\$41,996	\$999,797	\$10.69	
07C	Exterior Weather Screen	\$1,146,549	\$73,440	\$1,219,989	\$13.05	Allowance included in Package
07D	Exterior Metal & Concrete Panels (Rainscreen)	\$1,985,033	-\$217,050	\$1,767,983	\$18.91	
08A	Curtainwall	\$2,581,000	-\$57,100	\$2,523,900	\$26.99	Allowances included in Package
14A	Elevators	\$226,300	\$0	\$226,300	\$2.42	
21A	Fire Protection	\$325,000	\$0	\$325,000	\$3.48	Allowances included in Package
23A	HVAC	\$4,764,000	-\$163,616	\$4,600,384	\$49.20	
26A	Electrical	\$2,262,387	-\$52,100	\$2,210,287	\$23.64	Light Fixtures not Included; Allowances included
ALL-01	Site Concrete Allowance	\$116,000	\$0	\$116,500	\$1.25	
ALL-02	Plumbing Allowance	\$500,000	\$0	\$500,000	\$5.35	
	Subtotal Cost of Work:	\$15,257,262	-\$458,422	\$14,799,340	\$158.28	
LS	General Conditions			\$ 1,100,000	\$11.76	12 months
LS LS	Misc. Permits/Fees			\$ 1,100,000		By Owner
0.00%	Sales Tax			s -	-	By Owner
2.58%	CCIP			\$ 456,409	\$0.00	by Owner
1.42%	SDI			\$ 210,151	\$2.25	
3.00%	Construction Contingeny			\$ 210,131	\$4.75	
3,00%	construction contingeny			÷ ++3,980	\$4.75	
	Subtotal:			\$17,009,880	\$181.92	
4.00%	fee			\$ 680,395	\$7.28	
LS	Payment & Performance Bond			\$-	\$0.00	Included in GMP-01: up to \$34M
LS	Builder's Risk			\$-	\$0.00	Included in GMP-01: up to \$31M
	Total:			\$17,690,275	\$189.20	



GMP 02 Proposal Detail – General, ASIs, and Allowances

are Order-of-Magnitude	Qty	Unit		nit Cost	Total	Februrary 2 Notes
Be	Qty	Unit	0	nit Cost	Iotal	Notes
General Conditions & Requirements						
Trailer	12	MOS	\$	3,000	\$ 36,000	
Trailer In & Out	1	LS	\$	-	\$ -	
Temporary Power- Monthly Charge	12	MOS	\$	-	\$ -	By Owner
Temporary Sewer Monthly Charge	12	MOS	\$	-	\$ -	By Owner
Office Furniture	1	LS	\$	1,000	\$ 1,000	
Office/ Cleaning Supplies	12	MOS	\$	350	\$ 4,200	
Drinking Water/ Coffee Supplies	12	MOS	\$	200	\$ 2,400	
Copier Lease/ Supplies	12	MOS	\$	1,900	\$ 22,800	
Internet/ Server Set-Up	1	LS	\$	-	\$ -	Included in GMP-01
Conference Phone Monthly Charge	24	MOS	\$	50	\$ 1,200	
Computers & Software	12	MOS	\$	1,000	\$ 12,000	
Skanska Software Licenses	12	MOS	\$	2,300	\$ 27,600	.15% of contract value
Postage/ Courier	12	MOS	\$	200	\$ 2,400	
Reprographics	12	MOS	\$	500	\$ 6,000	
Project Archiving/ Document Retention	12	MOS	\$	275	\$ 3,300	
Check Precessing Fees	12	MOS	\$	750	\$ 9,000	
Signage/Identification	1	LS	\$	-	\$ -	Included in GMP-01
Safety Equipment	12	MOS	\$	375	\$ 4,500	
Small Tools	12	MOS	\$	850	\$ 10,200	
				TOTAL	\$ 142,600	
3 General Requirements Trade Work						
Materials Testing	1	LS	\$ \$	-	\$ -	Included in GMP-01

Materials Testing	1	LS	\$ -	\$ -	Included in GMP-01
Aerial Photography	12	MOS	\$ 100	\$ 1,200	
Survey & Layout	1	LS	\$ -	\$ -	
Crane Road	1	LS	\$ -	\$ -	Included in GMP-01
Temp Toilets	12	MOS	\$ 500	\$ 6,000	Allowance
Dumpsters	12	MOS	\$ 2,700	\$ 32,400	Allowance
Temporary Utilities Consumption	12	MOS	\$ -	\$ -	By Owner
Rough Carpentry	1	LS	\$ 10,000	\$ 10,000	
			TOTAL	\$ 49,600	

ALL	Allowances					
ALL-01	Site Concrete	1	LS	\$ 116,500	\$ 116,5	00 Changes due to ASI-002
ALL-02	Underground Plumbing	1	LS	\$ 500,000	\$ 500,0	00
				TOTAL	\$616,	500

Cost Basis of Guaranteed Maximum Price Proposal - GMP 02

Skanska USA's Guaranteed Maximum Price Proposal is based upon the following:

- 1. Plans, Specifications, and other documents per the document log shown in Section Three Appendices.
- 2. Exclusions, Qualifications, and Assumptions.
- 3. Skanska's Construction Schedule.
- 4. Skanska's Site Logistics and Site Utilization Plans.

The GMP 02 Proposal includes Assumptions, Clarifications and Exclusions to define project costs, schedule, logistics and project safety. We have taken this information, and coordinated it with the design team and prepared the Guaranteed Maximum Price for a complete project.

This GMP is for the masonry, roofing, curtainwall, rainscreen, weatherscreen, mechanical, electrical, plumbing, fire protection, and elevator portions of the work only.

Start of Work

The GMP 02 Proposal and related schedule are based on ASI-001 (October 18, 2019), ASI-002 (November 25, 2019), ASI-003 (November 21, 2019) and 100% Construction Documents (Permit Set) dated November 01, 2019.

A Notice to Proceed for work to begin on September 23, 2019 has been previously issued as part of the GMP 1 - Sitework and Structure Component GMP. The work included in this GMP 2 - MEP/ Skin Component GMP Package will begin immediately upon acceptance of this GMP Amendment and will be executed in accordance with the Project Schedule included as part of this proposal.

Skanska reserves its rights to request an equitable adjustment of schedule time and corresponding general conditions/ general requirements costs as a result of design completion milestone dates that are not achieved by the Design Team as indicated in the Project Schedule, after the date this GMP Proposal is in effect in accordance with the Agreement, included in GMP 02, or any other issue that affects the schedule that is beyond Skanska's control and/or as permitted under the Contract Documents.

This GMP 2 Proposal is good for 60 days from the date of submittal. Any delay in the issuance of written approval to proceed with this work will result in an increase to the amount set forth in this GMP 2 Proposal and adjustments to account for any impact to the schedule for the Work contemplated by this GMP 2 Proposal, and in accordance with the contract for construction.

General Qualifications, Clarifications and Assumptions

General Clarifications listed below define items that are not carried within the base scope of this project. The General Clarifications also provide detailed information regarding items that may not be indicated in the Construction Documents but are included in this GMP Proposal. The Clarifications below provide clarity for design elements and scope that will be provided by others:

- 1. All General Qualifications, Clarifications and Assumptions included in GMP 01 are hereby incorporated in this GMP 02 Proposal.
- 2. Skanska has not included an escalation contingency, in excess of 60 days from the date of February 26, 2020, in the proposed GMP to account for any increases in the Cost of the Work arising from unanticipated increases in the cost of temporary or permanent commodities, materials and/or equipment used in the performance of or incorporated into the completed Work in accordance with the included Project Schedule in GMP 02. The proposed GMP is based on the pricing obtained on or before the date of this GMP Proposal and expressly excludes all additional/increased costs that may arise or be associated with tariffs, duties and other impositions and related or unrelated price escalation occurring after the date of this GMP Proposal. Construction Manager shall be entitled to a Change Order equitably adjusting the GMP to account for any price escalation which occurs after the date of this GMP Proposal.
- 3. Skanska has no obligation to directly or indirectly perform or accept any liability for professional design obligations delegated through the Drawings and/or Specifications except to the extent any such design responsibility is expressly identified at the end of this paragraph. This GMP Proposal therefore excludes all costs, duties and/or obligations for delegated design not specifically identified herein. For those delegated design elements identified, design services (including without limitation the preparation of calculations, drawings, specifications and certifications) will be provided directly or indirectly by Subcontractors. Skanska will not independently verify or evaluate any delegated design. This GMP Proposal therefore excludes and will rely solely on such Subcontractors for the performance of such delegated design. This GMP Proposal therefore excludes and all costs and expenses for services to conduct an independent review of such delegated design shall be limited to and in no event exceed the liability to Skanska assumed by any Subcontractor in its contractual relationship with Skanska in connection with the Project.

The performance based design elements of this GMP 02 Proposal include the following:

- Elevator system and rails
- MEP racks/ pipes/ trays/ and hanger supports in accordance with the specifications
- Coping cap



The delegated design elements of this GMP 02, including engineered shop drawings required by specification include the following:

- Cold formed metal framing
- EIFS
- UHPC Panels
- Curtainwall and aluminum framed entrances
- Fire protection system.
- 4. This GMP Proposal excludes the provision of a professional engineer's stamp on any shop drawings or fabrication drawings, except as otherwise provided with respect to delegated design elements identified above.
- 5. GMP 01 and GMP 02 scopes are those that are required to complete the building shell. These costs fall within the funds currently in hand by Florida Polytechnic University. It is mutually agreed upon by all parties that if the funding appropriation anticipated for GMP 03 is not received, an agreed upon adjustment of scope will be issued by the Owner to provide a code compliant building for the scope of work identified in GMP 01 and GMP 02. Alternatively, if funding for GMP 03 is delayed, it is agreed that an equitable adjustment in cost and schedule will be made
- 6. In an effort to reduce the overall cost of the Project and to maintain the Owner's desired schedule, Skanska, FPU and the Design Team collaborated to identify certain changes to the scope of Work currently depicted on the Drawings and Specifications identified in the Document List. Such changes are identified on the Approved Value Engineering (VE) Log below. Owner acknowledges that the Approved VE Items are not currently reflected in the Drawings and Specifications identified in the Document List and that the Design Team will ultimately revise the documents to incorporate all of the Approved VE Items in a conformed set of contract documents. This conformed document set will be issued for construction no later than March 9, 2020.

This proposed GMP accounts for and is expressly conditioned upon the Design Team incorporating all of the Approved VE Items into the final drawings and specifications. Furthermore, Owner acknowledges that (i) the individual line item estimates and the aggregate estimate for the Approved VE Items are nonbinding estimated values and are subject to change based on scope contained and pricing obtained based on the final drawings and specifications, (ii) if the final drawings and specifications do not, in the reasonable opinion of all parties, accurately conform to the Approved VE Items described in the Approved Value Engineering Log, it is agreed the Owner, Skanska and the Design Team shall continue to develop value engineering items and/ or other cost savings measures necessary to achieve the project budget. If the project budget is not ultimately achieved from this continued value engineering/ cost savings effort, Skanska shall be entitled to a Change Order equitably adjusting the GMP and extending the Project Schedule, as and if necessary, to account for any and all nonconformities.



Value Engineering Log

VE	Bid Package	Description		Amount SMP-02		imount MP-03	Notes
VE-01	07A	Eliminate the Coping Cap	\$	-	\$	-	Code does not allow the deletion at the parapets
VE-02	07A	Reduce walkpad protection - eleminate off the N and S Buildings	\$	12,375	\$	-	Accepted; Sutter Pricing
VE-03	07A	Cost for 25year Warranty and Puncture Rider	\$	14,075	\$		\$14,075 Can elect not to provide
VE-04	07C	Delete Centria Panels	\$		\$		Assumed in Bid pricing
VE-05	07C	Sto Soffits Instead of ACM	\$	25,610	\$	-	Deduct \$99,050 for ACM; Add for Stucco (\$24/SF Add) +\$73,440; Accepted
VE-06	08A	Shadow Box Deletion	\$	57,100	\$	-	Accepted
VE-07	08C	Door Hardware Refinements	\$	-	\$	70,000	Refer to 01.22.20 Email for savings breakdown - Deferred to GMP-03
VE-08	09A	Eliminate Baswaphon Acoustical Plaster - Replace with USG Assembly	\$	-	\$	-	Raynor (apparent low) pricing did not include the Baswaphon - included USG. Assumed in Bid pricing.
VE-09	09C	Eliminate Moisture Mitigation	\$		\$	181,000	Accepted - Deferred to GMP-03
VE-10	09C	Carpet Spec Change - currently budgeted at \$32.00/SF	\$		\$		\$10,000; Currently not pursuing
VE-11	21A	Eliminate the Dry Sprinkler Heads Under the Cantilever	\$		\$		Not worth the savings - less than \$3,000
VE-12	21A	Window Sprinkler System at Atrium Glazing	\$		\$	-	Already Taken - but soffits on the Atruim Side need to be adjusted to conceal piping
VE-13	22A	CPVC in live of Copper (Tri-tech)	\$		\$		Not accepted - per FPU
VE-14	22A	Use PVC for AG Sanitary/Storm [Tri-tech]	\$		\$	52,000	Accepted - Deferred to GMP-03
VE-15	22A	Lab Waste/Chemdrain in lieu of Orion/Enfield (Tri-tech)	ŝ		\$		Accepted - Deferred to GMP-03
VE-16	22A	Delete DCW & CSW insulation (Tri-tech)	ś	-	\$		Accepted; Confirmed IST Building did not have these pipes insulated - Deferred to GMP-03
VE-17	23A	Accutrol Valves in Liue of Phoenix Lab Valves	Ś	125,000	Ś		Accepted
VE-18	23A	Delete pre-conditioning sections for OA on all AHU's Relocate preheat coil in main unit	\$		\$		Not accepted - per FPU
VE-19	23A	Galvanized Lab Exhaust Main Ductwork in lieu of SS	Ś	-	\$		Not accepted - per FPU
VE-20	26A	Delete DAS System	Ś	-	ś	-	Assumed in Bid pricing
VE-20	26A	Delete Network Lighting Controls - provide Basic only	Ś		ś		Assumed in Bid pricing
VE-22	26A	Lighting Alternate Package	Ś	-	Ś		Accepted; Pending review from AEI/HOK - Deferred to GMP-03
VE-23	26A	MC Cable for Receptacles - in wall rough only	Ś	43,000	ś		Accepted
VE-24	26A	Aluminum Buss in lieu of Copper Buss for Switchgear	ś	9,100	ś	-	Accepted
VE-25	09H	Reduce the amount of polished concrete in the BOH areas - change to sealed concrete - currently budgeted \$6.00SF	\$	-	\$		Accepted; 7,500 SF Reduction - Deferred to GMP-03
VE-26	23A	Remove Filter Housings	Ś	38,616	Ś		Accepted; B&I Confirmed it can be deleted via email 01.22.20
VE-27	22A	Pressure regulator - Lab Air	\$	-	\$	-	AEI to provide info - need more time to determine what this entails; Currently not pursing
VE-28	22A	VE Package - Plumbing Fixtures	\$		\$		Package only worth \$25,000; savings would only be \$2,000. Not worth pursuing
VE-29	22A	Plumbing Equipment Alternate	\$	-	\$	-	\$14,536; Not accepted -per AEI/FPU
VE-30	32A	Delete Precast Benches	\$	-	\$	40,000	Accepted; Postpone final deletion until GMP-03
VE-31	03A	Delete the seeded decorative aspect of the plaza concrete	\$	-	\$	20,000	Accepted; Postpone final deletion until GMP-03
VE-32	03A/05A	Buy-down of ASI-001, and ASI-002	\$	52,000	\$	-	Accepted
VE-33	07A	Delete Coverboard on North and South Bar Buildings - keep/change coverboard to 1/2" on Area C	\$	45,441	\$	-	Accepted
VE-34	07C	Taktl deduct along interior parapets - add Stucco (cannot be taken with VE-36)	\$	-	\$	-	Deduct \$118,000 for Taktl and Furring; Add for Stucco (\$24/SF) +\$62,400. Total Deduct Value only \$55,600. VE-36 Greater Savings
VE-35	05A	Glass Guardrail Alternatives	\$	-	\$	130,000	HOK agreed to materiality changes and LF of curved vs segmented glass -
VE-36	07C	Taktl deduct along interior parapets - add Roofing (cannot be taken with VE-34)	\$	88,105	\$		\$88,105; Deduct \$118,000 for Taktl and Furring; Add \$29,895 for Roofing. Whichever has more savings is accepted (34 or 26).
VE-37	22A	CPVC (Schedule 80) in live of Copper (Tri-tech)	\$		\$		AEI Accepted; Not accepted - per FPU
VE-37	26A/12A	Change motorized blinds to manual - deletion of electrical	\$		\$		Asked Borrell for pricing 01.27.20; will need to defer to GMP-03 since there was not adequate time to get a cost savings amount
VE-39							there was not not donte time to Set a cost advirigs amount
VE-40							
1- 40		TOTAL	\$	510,422	5	722,974	
		1014	÷.	2201488	÷	2001214	

Bid Package Specific Assumptions, Clarifications and Allowances:

Bid Package 01A - General Conditions & Requirements

- 1. GMP-01 included General Requirements costs for the first 12 months of the total project duration. This GMP-02 proposal includes remaining general requirement costs required for the remaining project duration, excluding Final Clean (to be submitted in GMP-03).
- 2. General Requirements costs are those associated with the temporary field office operations. These costs are considered cost of work and billed accordingly.
- 3. Utility consumption charges will be paid by the Owner and are excluded from this proposal.
- 4. Internet service will be provided by Florida Polytechnic University, and are excluded from this proposal.

Bid Package 01B - General Requirements – Trade Work

1. GMP-01 included General Requirements for Trade work costs for the first 12 months of the total project duration. This GMP-02 proposal includes remaining general requirement costs required for the remaining project duration.

Bid Package 04A - Masonry

1. Includes Dumpster Enclosure – added in ASI-002

Bid Package 07A - Roofing

- 1. Vent locations and flashing for the Radon vent stacks are included per Sheet A005, even though they are not currently shown on the Roofing plans.
- 2. All Flashing include is Aluminum and not Stainless Steel, as referenced in Spec Section 07 62 00 Sheet Metal Flashing and Trim. Manufacturer standard colors are included.
- 3. Fire-rated wood blocking on top of the parapet is included.
- 4. Includes VE-02: Delete the roofing walkpath protection (with exception to around the roof hatches), as indicated on sheets A203A, A203B, A203D, and A203E off of the North and South Buildings. To be retained in Area C per Sheet A203C.
- 5. Includes VE-03: Warranty and Puncture Rider (which is not listed per spec section 07 54 16 Ethylene Interpolymer (KEE) Roofing), but was included in the initial pricing, will not be included. Warranties per spec are included.
- 6. Includes VE-33: The 5/8" thick coverboard is excluded on the North and South bar buildings, yet will remain in Area C. A reduction in thickness from 5/8" to ½" is included in Area C. Refer to typical roofing details on Sheet A812 for deviation. Deletion of the coverbard will not impact the 1 hour required fire rating of the roof, as the 5/8" substrate board will remain as currently detailed.
- 7. Includes VE-34 or 36: Approximately 2600 SF of Taktl Panels will be deleted at the parapet walls above Area C only see the attachment at the end of this section for extents. Roofing to be added back to the area of taklt that is being removed; including the necessary insulation to achieve code required R-value for the walls.
- 8. All required testing is included.



Bid Package 07C - Exterior Weather Screen System

- (Basis of Design) Centria Back-up Panels are excluded, and GMP pricing is predicated on HOK SK-002 'Traditional Best Practice' Envelope Assembly Option (see attachment at the end of this section) - including all stud framing, insulation, vapor barrier and sheathing. This alternative will meet all 2017 Building Energy Code requirements and be an equivalent system to the one currently shown in the contract documents.
- 2. Design Assist in order to implement/incorporate the 'Traditional Best Practice' Option is included. Contract Document details do not need to be modified, as it has been agreed by all parties to work out the alternate details through the shop drawing process with HOK and FPU Permitting.
- 3. EFIS included on the Shop Masonry and Loading Dock area vertical walls.
- 4. Mock-up of wall and panels is included per Sheet A899
- 5. All exterior louvers are included.
- 6. Roofing side of the parapets will have roof compatible type DensDeck sheathing.
- 7. Allowance: Waterproofing Consultant \$50,000

Bid Package 07D – Concrete & Metal Panels (Rainscreen)

- 1. The 10 year Water Tight Guarantee as described in the specification section 07 42 13 Aluminum Composite Panels is not included. The system specified is a rainscreen design, which will not be water tight.
- 2. Taktl Panel thickness is 5/8'' not $\frac{1}{2}''$ as per specification section 07 42 47 Ultra High Performance Concrete Panels.
- 3. Z-Furring is included in lieu of the specified 'Kiel Concealed Anchoring System' for the Taktl panels (per spec section 07 42 47). This system is usually installed with the concealed fastener method of attachment and not for exposed fasteners, as is currently indicated in the contract documents.
- Includes VE-05: EFIS is included in lieu of Aluminum Composite Panels for all horizontal exterior soffits, as shown on the reflected ceiling plans – Sheet A301 and 302 – as indicated as MP02 'Exterior Soffit Panel System'. An EFIS system is already specified for the project, per section 07 42 19 – Water Drainage Exterior Insulation and Finish System.
- 5. Includes VE-36: Approximately 2600 SF of Taktl Panels will be deleted at the parapet walls above Area C only see the attachment at the end of this section for extents. Roofing to be added back.
- 6. Includes all engineered infill framing (outside of the weather barrier) to support the Taktl panels which is not currently shown on the drawings, but is indicated as a delegated design.

Bid Package 08A – Curtainwall

- 1. Design assist included
- 2. The West Tampa Glass 900 Series High Span curtainwall framing is included in order to meet the spans required, in lieu of the YKK series (Basis of Design).
- 3. Mock-up Included per Sheet A899
- 4. Includes VE-06: The shadow boxes are excluded (refer to Detail 1/A946 typical) and spandrel glass will be included where shadow boxes are currently indicated.



- 5. Allowance: Exterior Curtain wall Final Cleaning \$12,000
- 6. Allowance: Water Intrusion Testing \$15,000
- 7. Allowance: Glass Breakage/Replacement (in lieu of Heat Strengthening, per spec section 08 80 00 3.8 Glazing) and Protection \$25,000

Bid Package 14A – Elevators

- 1. Elevator will be a traction type and not Hydraulic as indicated in specification section 14 24 00.
- 2. Pricing is based on a KONE Model Monospace 500 Machine Room-less type Traction elevator refer to the attachment at the end of this section by HOK that was included in the bidding documents which reference this is an acceptable type.
- 3. Manufacturer Standard Stainless Steel cab finishes and LED fixtures are included.
- 4. Speed 150fpm; 5000# Capacity.
- 5. Pricing is based on door widths of 4-0", not 4'-6".
- 6. Elevator pit depth will need to be 5'-0", and not 4'-0" as currently shown on the contract documents. Cost is not currently included in GMP-02, and will be submitted for approval at a later date.
- 7. Additional steel will be required to accommodate the 16'-0"x10'-4" Hoistway size to be provided by Cives Steel. Allowance for undetailed steel from GMP-01 to be utilized.
- 8. A machine room is not necessary, but the top landing entrance frame will need to include a 14" jamb/wall thickness to accommodate the Integrated Required Controller.
- 9. Additional hoistway preparation and use of onsite equipment, not included in KONE's pricing, is included.
- 10. Pricing is also based on an execution of a KONE Care extended maintenance agreement with the construction contract.

Bid Package 21A – Fire Protection

- 1. Fire Pump not included, and determined not necessary, although it is mentioned in the Specifications.
- 2. Permit fees are not included.
- 3. Delegated design and engineering is included.
- 4. Allowance: Additional needs for sprinkler coverage per permit and fire protection drawing review \$10,000

Bid Package 23A – HVAC

- 1. Includes VE-17: Accutrol venturi lab exhaust valves are included in lieu of Phoenix Valves. Spec Section 23 36 14 Laboratory Temp and Airflow Control System is an open spec, but there were specific requirements still listed which only Phoenix could provide.
- 2. Includes VE-26: Separate filter housings were initially included in subcontractor pricing, but it was misinterpreted on the drawings, as it is integral filter housings to the AHU's that are required, and were also included. Separate filter housings are not included.

Bid Package 26A – Electrical

1. Lighting Fixture Package scope is excluded from GMP-02 and will be included in GMP-03 - \$531,934. This cost has been confirmed will be added via change order to the awarded Trade Partner. Additional savings to this number will be included by VE-22: Lighting Alternate



Package; with the caveat that the alternate lights will need to be reviewed and approved by AEI/HOK for final acceptance and then full VE value can be assumed.

- 2. Utility connection fees are to be by Owner.
- 3. Digital Antenna System infrastructure is not included, nor is an allowance established.
- 4. The specification section 26 09 43 Network Lighting Controls has been slightly modified to remove the Lutron manufacturer requirement, and the acceptable manufacturer replaced by Wattstopper, but the verbiage for a fully integrated network controls still remains. Only basic lighting controls (daylight and occupancy sensors), as required by code, have been included without networking capability. Lighting network controls to be re-reviewed prior to GMP-03, with the potential to incorporate.
- 5. Includes VE-22: Lighting Alternate Package is included; with the caveat that the alternate lights will need to be reviewed and approved by AEI/HOK for final acceptance and then full VE value can be assumed.
- 6. Includes VE-23: MC Cable will be used for in-wall rough for receptacles, in the office areas only. AEI has reviewed and accepted the deviation from spec section 26 00 00 General Electrical Requirements, but this will not be allowed in other areas of the building.
- 7. Includes VE-24: Aluminum bus bar in lieu of Copper bus bar (26 24 13 1.1 Switchboards) for the Switchgear is included
- 8. Allowance: TECO Primary Wire/Conduit and Transformer \$30,000

ALL-01 – Sitework Concrete Allowance (ASI-002)

1. This allowance is established for the site concrete scope of work that was changed in ASI-002; not for the scope of work in totality.

ALL-02 – Underground Plumbing Allowance

1. This allowance is intended to cover all plumbing as required to meet the project schedule. Final plumbing costs to be reconciled in GMP-03.

EXHIBIT D

Exhibit D-07C-1 Reference Attachment

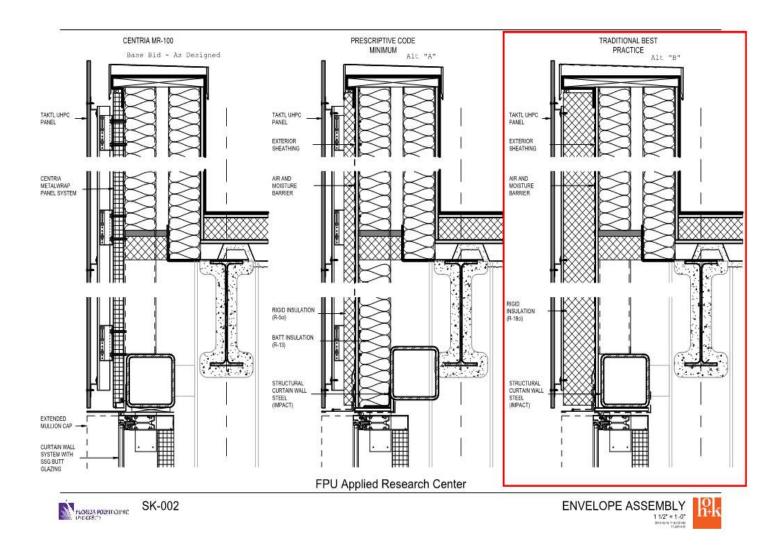
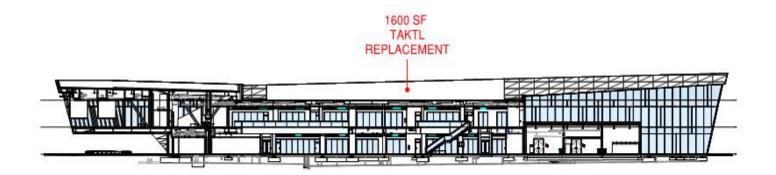
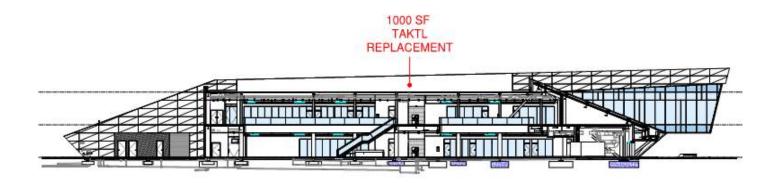




Exhibit D-07D-5 Reference Attachment



SOUTH BAR



NORTH BAR



Exhibit D-14A-2 Reference Attachment

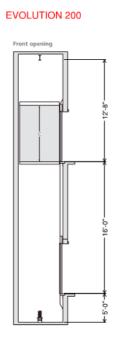
MACHINE ROOM-LESS (MRL) TRACTION ELEVATOR **FPU ARC - DESIGN CRITERIA**

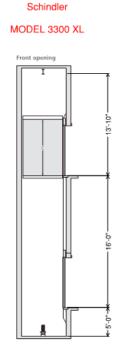
Speed Range: 150 fpm - 200 fpm

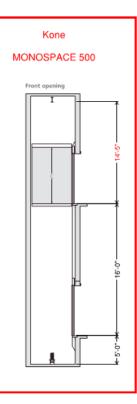
Thyssenkrupp

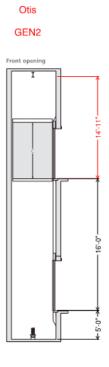
Class A Rating

- Capacity: 5000lbs Passenger & Service (4500lbs Alternate)
- Cab Height Range : 8'-6" 9'-0" • Door Height : 8'-0"
- Door Width : 4'-0"
- Vertical Travel :16'-0" Level1-Level2
- Max Overhead : 14'-4" Clear (Currently)
- 2 Stops













AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

EXHIBIT E

PROJECT SPECIFIC REQUIREMENTS AND PRE-CONSTRUCTION SERVICES FEE

• 3.3.4 LEED Certification. The LEED Certification level is Silver.

• 3.3.6 Initial Construction Schedule Deadline

- □ With Advanced Schematic Design submittal or
- X no later than **September**, 2019
- 3.4.3 Construction Manager's Contingency shall be no greater, as a percentage of the estimated Cost of

the Work, than the following at each of the following phases:
ten percent (10 %) at Pre-Design
ten percent (10 %) at Conceptual Schematic Design eight
percent (8 %) at Advanced Schematic Design
six percent (6 %) at Design Development
five percent (5 %) at (60 %) Construction Documents
three percent (3 %) at the time the GMP proposal is included
two percent (2%) at the time that Construction Manager has bought out Trade Contracts
representing ninety percent (90%) of the Cost of Work or more.

• 3.4.5 <u>Jobsite Management and Logistics Plan</u> □ with **Design Development** phase submittal or

x no later than **September 2019**

- 3.4.8 Phased or "Fast-Track" Construction None
- 3.4.8 <u>GMP Proposal Submittal Deadline</u>
 - \Box upon completion of <u>sixty</u> percent <u>(60%)</u> of the Construction Documents
 - \Box <u>thirty (30)</u> days after completion of the Construction Documents
 - X no later than **September 11, 2019**.
 - Describe or delete this line.

Pre-Construction Services Fee

PHASE	FEE
Pre-Design Phase	\$ EXCLUDED
Conceptual Schematic Design	\$ EXCLUDED
Advanced Schematic Design	\$ EXCLUDED
Design Development	\$ EXCLUDED
60% Construction Documents	\$ EXCLUDED
100% Construction Documents	\$ EXCLUDED
Total:	\$ EXCLUDED



- 4.1 **Overhead & Profit.** The Construction Manager's Overhead & Profit percentage shall not exceed <u>4.0</u>%
- 4.2.2 Mileage Rate. The mileage rate for authorized travel based on State of Florida rates on the Effective Date of this Agreement is <u>\$0.445 per mile</u>.
 Lodging Rate. The maximum reimbursable rate for lodging in Lakeland. Florida based on General Services Administration (GSA) rates on the Effective Date of this Agreement is <u>\$150.00</u> per night, plus applicable taxes. Reference <u>www.gsa.gov/perdiem</u>.
 Meals. The maximum reimbursable rates for meals (only paid when overnight travel is involved) based on State of Florida rates on the Effective Date of this Agreement are:

<u>\$6.00 for breakfast, \$11.00 for lunch, \$19.00 for dinner = \$36.00 TOTAL</u>

5.1 Liquidated Damages: <u>\$2727</u> per day

EXHIBIT E

Logistics Plan



63 | P a g e





AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

EXHIBIT F

PROJECT SPECIFIC MODIFICATIONS

8.12 Modifications to the Contract for Construction

The following Modifications to the Contract for Construction will be made in addition to those included in the GMP 01 Proposal:

- 1. In addition to the retainage requirements contained in the Contract for Construction, the Owner may, at his sole discretion, allow retainage reduction and/ or full release of retainage for trade contractors that complete all their work prior to the completion of 50% of construction services.
- 2. General Terms and Conditions paragraphs 12.1 and 12.1.2 call for O&M manuals and training to be provided 28 days prior to the required date of Substantial Completion, and all close-out documents are required prior to Substantial Completion. Understanding the University requires certain close-out documents and training to run the building after acceptance, Skanska will prioritize and submit those close-out items prior to Substantial Completion. Close out items required will be mutually agreed to within 90 days of GMP-02 execution. Any close-out items not received as of the date of Substantial Completion shall be identified on the punch list and tracked with an anticipated completion date.
- 3. The General Terms and Conditions require that written notice be provided for all impacts, however, the contract does not specify the recipient(s) of notices. It is agreed all notices will be sent to the following:

David Calhoun Assistant Vice President Facilities and Safety Services Florida Polytechnic University 4700 Research Way, Lakeland, FL 33805



Remaining Terms Under Discussion - Exhibit G

All remaining terms under discussion listed in Exhibit G of the Agreement have been addressed in Exhibit F included in this proposal.



Bid Tabulation - Bid Package: 04A Masonry



Bid Opening Date:	12.05.19							P	roject No.:	PC55327				
Bid Opening Time:	2:00PM							Proj	ect Name:	FPU - App	lied Research	Center		
Bid Opening Location:	Skanska C	nsite Trai	ler (4400 Polytech	nic Circle Lak	eland,FL 338	805)		Architect	/Engineer:	: HOK, Inc. / AEI / Walter P. Moore				
Bid Package (# and name):	04A - Mase	onry						Prime (Contractor:	Skanska U	JSA Building, Ir	IC.		
GMP Budget for Package:						\$117,000								
Bid Tabulation by:							Bid Tabul	ation Witn	essed by:					
		struction	Manager (date / in	itial))					,		wner (date / init	tial)		
	Addenda	Subs	License Verified	Insurance	P& P	Base Bid	Scope Adj	Alternate			Bid Total	Anticipated or Ta	rget Value	
Bidder	Received	Listed			Bonds					No. 3		Direct Purchase		
B&M Masonry	N/A	N/A	N/A	N/A	N/A	\$123,100	\$6,500	N/A	N/A	N/A	\$129,600			
SPO	N/A	N/A	N/A	N/A	N/A	\$110,500	\$6,500	N/A	N/A	N/A	\$117,000		L	
Hommes masonry	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID			
Seminole Masonry, LLC	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		<u> </u>	
VMG Construction, Inc.	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID			
			(all alternates mus	t have a type	d explanation	n):								
	Alternate N	lo. 1:												
	Alternate N	lo. 2:												
	Alternate N	lo. 3:												
Clarifications (if any):														

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Refer to the bid leveling sheets for further clarity of sub bid total.



Bid Tabulation - Bid Package: 07A Roofing



Bid Opening Date:							-		Project No.:					
Bid Opening Time:							-		oject Name:					
Bid Opening Location:			iler (4400 Polytech	nic Circle Lak	eland,FL 338	805)	-		ct/Engineer:					
Bid Package (# and name):	07A - Roof	ing					_	Prime	Contractor:	Skanska L	ISA Building	g, Inc.		
GMP Budget for Package:						\$999,797	-							
Bid Tabulation by:							Bid Tal	bulation Wit	nessed by:					
	for the Con	struction	Manager (date / in	iitial))			-			for the O	wner (date /	initial)		
	Addenda	Subs	License Verified	Insurance	P& P	Base Bid	Scope Adj	Alternate				Bid Total	Anticipated or Ta	rget Value
Bidder	Received	Listed		Insulance	Bonds		, ,	No. 1	No. 2	No. 3	No. 4		Direct Purchase	
Sutter Roofing	N/A	N/A	N/A	N/A	N/A	\$1,025,968	\$15,825	(\$12,375)	(\$14,075)	(\$45,441)	\$29,895	\$999,797		
Atlas-Apex Roofing	N/A	N/A	N/A	N/A	N/A	\$1,300,000	\$30,520	N/A	N/A	N/A	N/A	\$1,330,520		
Martin Roofing	N/A	N/A	N/A	N/A	N/A	\$1,020,034	\$19,969	Not Conf.	(\$14,075)	Not Conf.	Not Conf.	\$1,025,928		
McEnany	N/A	N/A	N/A	N/A	N/A	\$1,103,736	\$70,195	N/A	N/A	N/A	N/A	\$1,173,931		
Tecta America West Florida	N/A	N/A	N/A	N/A	N/A	\$838,000	\$139,895	N/A	N/A	N/A	N/A	\$977,895		
Quality Roofing	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	N/A	N/A	NO BID		
Hartford South, LLC	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	N/A	N/A	NO BID		
	Score of A	Iternates	(all alternates mus	thougo tupo	d ovelopation									
	Alternate N		VE-02 Reduce W	21		1								
	Alternate N		VE-03 Delete Ext		1.0	, 0								
	Alternate N	lo. 3:	VE-33 Delete Cor	verboard on N	& S Building	gs; Reduce to 1/2" or	n Area C (-\$45,4	141): Sutter F	Pricing					
	Alternate N	lo. 4:	VE-36 Delete Tak	d over Area (Parapets; A	Add Roofing (+\$29,8	95): Sutter Prici	ng	-					
								•						

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Tecta America West Florida is currently not pre-qualified with Skanska, as they are a pass-through company to Tecta America Corporation. Skanska has elected to move forward with the second lowest and pre-qualified bidders (either Martin or Sutter).

Refer to the bid leveling sheets for further clarity of sub bid total.

Bid Tabulation - Bid Package: 07C Exterior Weather Screen System



Bid Opening Time	: 12.05.19								Project No.:	PC55327			
ma shound ture	: 2:00PM					8		F	roject Name:	FPU - Appl	ied Research Ce	enter	
Bid Opening Location	n: Skanska O	nsite Tra	iler (4400 Polytech	nic Circle Lake	eland, FL 338	05)	-	Archit	ect/Engineer.	HOK, Inc. /	AEI / Walter P.	Moore	
Bid Package (# and name): 07C - Exter	rior Weat	herscreen System	1			5 2	Prim	e Contractor	Skanska U	SA Building, Inc	2	
GMP Budget for Package): <u> </u>		10			\$1,219,989				22 2 2	383		
Bid Tabulation by	:						Bid	Tabulation W	itnessed by:				
	for the Con	struction	Manager (date / in	itial))						for the Ow	/ner (date / initia	1)	
	Addenda	Subs	License Verified	Insurance	P&P	Base Bid	Scope Adj	Alternate			Bid Total	Anticipated or Tar	rget Value
Bidder	Received	Listed	License vermeu	msurance	Bonds	Dase Diu	Scope Auj	No. 1	No. 2	No. 3	biu i otai	Direct Purchase	ž.
M.G. McGrath	N/A	N/A	N/A	N/A	N/A	\$646,160	Incomplete	N/A	N/A	N/A	Incomplete		
Kistler McDougall	N/A	N/A	N/A	N/A	N/A	\$2,780,000	Incomplete	N/A	N/A	N/A	Incomplete		
NRG Cladding/Kenpat	N/A	N/A	N/A	N/A	N/A	\$1,540,166	-\$58,075	(\$385,542)	\$73,440	\$0	\$1,169,989		e.
MEC Enterprises	N/A	N/A	N/A	N/A	N/A	\$512,973	Incomplete	N/A	N/A	N/A	Incomplete		8
Wal-Mark Contracting	N/A	N/A	N/A	N/A	N/A	\$787,000	Incomplete	N/A	N/A	N/A	Incomplete		
Wal-Mark Contracting (combo)	N/A	N/A	N/A	N/A	N/A	\$1,530,000	-\$258,482	(\$405,000)	\$0	\$0	\$866,518	1	8
Raynor Company Group	N/A	N/A	N/A	N/A	N/A	\$1,624,643	\$70,018	(\$385,542)	\$0	\$0	\$1,309,119	1	8
Ford Drywall	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
Cladding Systems	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		5
Randall Construction	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
		1				[]					1		

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Added Allowance for waterproofing consultant - \$50,000.

Refer to the bid leveling sheets for further clarity of sub bid total.

Bid Tabulation - Bid Package: 07D Metal & Concrete Panels (Rainscreen)

	FLORIDA POLYTECHNIC UNIVERSITY
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Bid Opening Date:	12.05.19								Project No .:	PC55327			
Bid Opening Time:	2:00PM								Project Name:	FPU - Appl	lied Research C	enter	
Bid Opening Location:	Skanska O	insite Tra	iler (4400 Polytech	nic Circle Lak	eland,FL 338	805)		Archi	tect/Engineer:	HOK, Inc. /	AEI / Walter P.	Moore	
Bid Package (# and name):	07D - Meta	& Conc	rete Rainscreen Pa	inels				Prin	ne Contractor:	Skanska U	SA Building, Inc	3.	
GMP Budget for Package						\$1,767,983							
Bid Tabulation by:							Bid	Tabulation V	Vitnessed by:				
	for the Con	struction	Manager (date / in	itial))						for the Ov	vner (date / initia	al)	
	Addenda	Subs	(1	areases v	P&P	Dece Did	A	Alternate			NUTIN	Anticipated or Tar	rget Value
Bidder	Received	Listed	License Verified	Insurance	Bonds	Base Bid	Scope Adj	No. 1	No. 2	No. 3	Bid Total	Direct Purchase	Ū.
M. G. McGrath	N/A	N/A	N/A	N/A	N/A	\$2,087,358	\$0	N/A	N/A	N/A	\$2,087,358		Ü
Kistler McDougall	N/A	N/A	N/A	N/A	N/A	\$2,780,000	-\$788,000	N/A	N/A	N/A	\$1,992,000		<u> </u>
NRG Cladding/Kenpat	N/A	N/A	N/A	N/A	N/A	\$1,996,563	-\$11,530	(\$99,050)	(\$118,000)	N/A	\$1,767,983		0
Peachtree Protective Covers	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID	<u> </u>	1
Eastern Corp	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		11
Cladding Systems	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		ü
Randall Construction	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		1
Architectural Aluminum Techniques	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID	1	1
Source Panel	N/A	N/A	N/A	N/A	N/A	\$2,429,785	\$0	N/A	N/A	N/A	\$2,429,785		11
oouroo ranoi		N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID	- C	8

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Refer to the bid leveling sheets for further clarity of sub bid total.

Bid Tabulation - Bid Package: 08A Exterior Curtainwall



Bid Opening Date	12.05.19							P	roject No.	PC55327			
Bid Opening Time	: 2:00PM							Proj	ect Name	FPU - App	olied Research	Center	
Bid Opening Location	Skanska C	Onsite Tra	iler (4400 Polytecł	nnic Circle Lał	keland,FL 33	805)		Architect	/Engineer	HOK, Inc.	/ AEI / Walter F	P. Moore	
Bid Package (# and name)	08A - Exte	rior Curta	inwall					Prime (Contractor	Skanska l	USA Building, Ir	nc.	
GMP Budget for Package	:					\$2,523,900							
Bid Tabulation by							Bid Tal	bulation Witn	essed by:				
	for the Co	nstruction	Manager (date / i	nitial))						for the O	wner (date / ini	.tial)	
	Addenda	Subs	License Verified	Incurance	P& P	Base Bid	Scope Adj	Alternate			Bid Total	Anticipated or Ta	
Bidder	Received	Listed	License veniled	Insurance	Bonds	base biu	Scope Auj	No. 1	No. 2	No. 3	Bid Totai	Direct Purchase	
AMG Arch Glass & Glazing	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
Countryside Glass	N/A	N/A	N/A	N/A	N/A	\$2,464,072	LATE BID	N/A	N/A	N/A	LATE BID		
Eastern Corp	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
Crawford Tracey Corporation	N/A	N/A	N/A	N/A	N/A	\$4,020,025	(\$675,127)	N/A	N/A	N/A	\$3,344,898		
West Tampa Glass	N/A	N/A	N/A	N/A	N/A	\$2,424,600	\$104,400	(\$57,100)	N/A	N/A	\$2,471,900		
			(all alternates mu	21		*							
	Alternate I		VE-06 Shadow E	lox Deletion (Spandrel Gla	ass) (-\$57,100): WTG	Pricing						
	Alternate I												
	Alternate I	No. 3:											
Clarifications (if any):													
Use this area as an explanation	n/clarificatio	n as to wh	ny a lower bid may	not have bee	n used, etc.								

Added Allowances: Water Intrusion Testing (\$15,000), Final Glazing Clean (\$12,000), Glass Breakage/Protection (\$25,000)

Refer to the bid leveling sheets for further clarity of sub bid total.



Bid Tabulation - Bid Package: 14A Elevators



							_						
Bid Opening Date:							_			PC55327			
Bid Opening Time:							_		-		lied Research		
Bid Opening Location:			ler (4400 Polytech	nic Circle Lak	eland,FL 338	05)	_				/ AEI / Walter I		
Bid Package (# and name):							_	Prime (Contractor	Skanska l	JSA Building, I	nc.	
GMP Budget for Package:						\$226,300	-						
Bid Tabulation by:							Bid Tabul	ation Witn	essed by:				
	for the Con	struction	Manager (date / in	itial))			-			for the O	wner (date / ini	itial)	
Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Scope Adj	Alternate No. 1	No. 2	No. 3	Bid Total	Anticipated or Ta Direct Purchase	rget Value
ONE	N/A	N/A	N/A	N/A	N/A	\$219,500	\$0	N/A	N/A	N/A	\$219,500		
DTIS	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
hyssen Krupp	N/A	N/A	N/A	N/A	N/A	\$227,150	\$0	N/A	N/A	N/A	\$227,150		
Schindler	N/A	N/A	N/A	N/A	N/A	\$216,300	\$0	N/A	N/A	N/A	\$216,300		
	Scope of A	Iternates	(all alternates mus	t have a type	d explanation):	1	1	1		1	1	
	Alternate N	lo. 1:											
	Alternate N	lo. 2:											
		lo. 3:											

Hoistway Preparation cost added to Bid Package

Refer to the bid leveling sheets for further clarity of sub bid total.

Bid Tabulation - Bid Package: 21A Fire Protection

F LORIDA POLY TECHNIC JNIVERSITY

							_			_			
Bid Opening Date:	12.05.19						_			PC55327			
Bid Opening Time:	2:00PM						_	Pro	ject Name:	FPU - App	lied Research	Center	
Bid Opening Location:	Skanska O	nsite Trai	ler (4400 Polytech	nic Circle Lake	eland,FL 338	805)	_	Architec	t/Engineer:	HOK, Inc.	/ AEI / Walter i	D. Moore	
Bid Package (# and name):							_	Prime (Contractor:	Skanska L	JSA Building, Ir	nc.	
GMP Budget for Package:						\$325,000	-						
Bid Tabulation by:							Bid Tabul	ation Witn	essed by:				
	for the Con	struction	Manager (date / ini	itial))			-			for the O	wner (date / ini	tial)	
Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Scope Adj	Alternate No. 1	No. 2	No. 3	Bid Total	Anticipated or Tar Direct Purchase	get Value
Cox Fire Protection	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
Jniversal Fire	N/A	N/A	N/A	N/A	N/A	\$368,992	\$0	N/A	N/A	N/A	\$368,992		
Sprinklermatic	N/A	N/A	N/A	N/A	N/A	\$295,950	\$20,000	N/A	N/A	N/A	\$315,950		
Piper Fire Protection	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
Southern Fire Protection	N/A	N/A	N/A	N/A	N/A	\$362,000	\$0	N/A	N/A	N/A	\$364,000		
Randall Construction	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
	Scope of A	Itornates	(all alternates mus	t have a type	evolution).							
	Alternate N		all alternates mus	t nave a typet	explanation	y.							
	Alternate N												
	Alternate N												
	micrilate h	w											

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Added Allowance: More coverage per permitting review - \$9,050

Refer to the bid leveling sheets for further clarity of sub bid total.



Bid Tabulation - Bid Package: 23A HVAC



Bid Opening Date:	01.10.20								Project No.:	PC55327			
Bid Opening Time:	2:00PM							Pi	roject Name:	FPU - Applie	ed Research Ce	nter	
Bid Opening Location:	Skanska O	nsite Tra	iler (4400 Polytech	nic Circle Lak	eland,FL 33	805)		Archite	ct/Engineer:	HOK, Inc. / /	AEI / Walter P. I	Moore	
Bid Package (# and name):	23A - HVA	С						Prime	e Contractor:	Skanska US	A Building, Inc.		
GMP Budget for Package:						\$4,600,384							
Bid Tabulation by:							Bid	Tabulation Wi	tnessed by:				
	for the Con	struction	Manager (date / ir	nitial))						for the Ow	ner (date / initial)	
Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Scope Adj	Alternate No. 1	No. 2	No. 3	Bid Total	Anticipated or Ta Direct Purchase	
BCH Mechnical	N/A	N/A	N/A	N/A	N/A	\$6,497,740	\$0	N/A	N/A	N/A	\$6,497,740		
B&I Contractors	N/A	N/A	N/A	N/A	N/A	\$4,789,000	-\$25,000	(\$125,000)	(\$38,616)	0	\$4,600,384		
Tappouni Mechanical	N/A	N/A	N/A	N/A	N/A	\$6,423,000	\$0	N/A	N/A	N/A	\$6,423,000		
Coastal Mechanical	N/A	N/A	N/A	N/A	N/A	\$6,995,960	\$0	N/A	N/A	N/A	\$6,995,960		
Conti Mechanical	N/A	N/A	N/A	N/A	N/A	\$5,253,806	\$0	N/A	N/A	N/A	\$5,253,806		
Randall Construction	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
Gulf Mechanical	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID		
	Scone of A	Itomatee	(all alternates mus	at have a type	d ovolanatio	n):							
	Alternate N		VE-17 Accutrol V	21		/	- B&I Pricing						
	Alternate N		VE-26 Remove F				. Doi 1 Hong						
	Alternate N		12 20 10110401	nor rioconige	. (400,010).	ewit nonig							
	Alemale N	0. 0.											

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Refer to the bid leveling sheets for further clarity of sub bid total.



Bid Tabulation - Bid Package: 26A Electrical



Bid Opening Date:	12.05.19								Project No .:	PC55327				
Bid Opening Time:								P	,		plied Research	Center		
Bid Opening Location:		nsite Tra	iler (4400 Polytech	nic Circle Lak	eland.FL 33	805)			,		/ AEI / Walter			
Bid Package (# and name):						,	Prime Contractor: Skanska USA Building, Inc.							
GMP Budget for Package:						\$2,210,287								
Bid Tabulation by:				141 ILS			Bid	Tabulation W	itnessed by:					
	for the Cor	istruction	Manager (date / ir	nitial))						for the C	wner (date / ini	tial)		
Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Scope Adj	Alternate No. 1	No. 2	No. 3	Bid Total	Anticipated or Ta Direct Purchase	rget Value	
Borrell Electric	N/A	N/A	N/A	N/A	N/A	\$2,764,321	-\$531,934	(\$43,000)	(\$9,100)	N/A	\$2,180,287			
APG Electric	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID			
Randall Construction	N/A	N/A	N/A	N/A	N/A	\$2,917,200	-\$531,934	N/A	N/A	N/A	\$2,385,266			
Meisner Electric	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID			
Sentry Electric	N/A	N/A	N/A	N/A	N/A	NO BID	NO BID	N/A	N/A	N/A	NO BID			
	Scope of A	Iternates	(all alternates mus	st have a type	d explanatio	n):								
	Alternate N					(-\$43,000): Borrell f	Pricing							
	Alternate N	lo. 2:	VE-24 Aluminum	Bus bar in lie	u of Copper	(-\$9,100): Borrell Pri	cing							
	Alternate N	lo. 3:												
			-											

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Light Fixtures EXCLUDED from package (-\$531,934); Added Allowance for TECO Primary - \$30,000

Refer to the bid leveling sheets for further clarity of sub bid total.



Bid Tabulation – Allowance: Site Concrete



Bid Opening Date:	NA							Pro	oject No.:	PC55327			
Bid Opening Time:	NA							Proje	ct Name:	FPU - Ap	plied Research	Center	
Bid Opening Location:	NA						Architect/Engineer: HOK, Inc. / AEI / Walter P. Moore						
Bid Package (# and name):	ALL-01 Sit	e Concret	te Allowance (ASI-	002)			Prime Contractor: Skanska USA Building, Inc.						
GMP Budget for Package:						\$116,500							
Bid Tabulation by:							Bid T	Tabulation Witne	ssed by:				
	for the Construction Manager (date / initial))						for the C	wner (date / ini	tial)				
Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Scope Adj	Alternate No. 1	No. 2	No. 3	Bid Total	Anticipated or Ta Direct Purchase	get Value
	Scope of A	lternatee	(all alternates mu	at have a type	d evolanatio	m).							
	Alternate N		lan arternates ma	schuve a type	a explanatio								
	Alternate N												
	Alternate N												
Clarifications (if any):													
11													

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Bid Tabulation - Allowance: Underground Plumbing



Bid Opening Date:	NA								-	PC55327			
Bid Opening Time:	NA							Proje	ect Name:	FPU - App	lied Research	Center	
Bid Opening Location:	NA						Architect/Engineer: HOK, Inc. / AEI / Walter P. Moore						
Bid Package (# and name):	ALL-02 Un	dergroun	d Plumbing Allowa	ince			Prime Contractor: Skanska USA Building, Inc.						
GMP Budget for Package:						\$500,000							
Bid Tabulation by:				Bid T	abulation Witne	ssed by:							
		nstruction	Manager (date / ir	nitial))							wner (date / init	tial)	
Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Scope Adj	Alternate No. 1	No. 2	No. 3		Anticipated or Ta Direct Purchase	rget Value
													i
													i
													i
													·
								1					
	Scope of A	lternates	(all alternates mus	st have a type	d explanatio	n):							
	Alternate N	No. 1:											
	Alternate N	lo. 2:											
	Alternate N	No. 3:											
Clarifications (if any):													

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

AGENDA ITEM: XIII.

Florida Polytechnic University Board of Trustees Finance and Facilities Committee February 25, 2020

Subject: Review of Contracts over \$200,000

Proposed Committee Action

No action required – information only.

Background Information

- 1. Review and disclosure of new contracts over \$200,000 and less than \$500,000.
- 2. Report on existing and active procurement contracts in excess of \$200,000 with spend- todate information.

Supporting Documentation:

- 1. New Contracts \$200K \$500K
- 2. Active Contracts in Excess of \$200,000
- 3. Contract Report to BOT

Prepared by: Mark Mroczkowski, Vice President and CFO

Florida Polytechnic University Contracts for disclosure between \$200,000 and \$500,000 Approximate Spend to Date Feb-20

					Revised	
Vendor	Contract Type	Start Date	End Date	Original Amt	Contract Amt	Spend

No new contracts over \$200,000

Florida Polytechnic University All active contracts in excess of \$200,000 Feb-20

Vendor	Contract Type	Start Date	End Date	Original Amt	Total Spend
	Software - Adobe Pro and Adobe Sign; new contract combined				
Adobe, Inc.	both licenses	10/27/2019	10/26/2022	\$202,322	\$67,441
Ardaman & Associates Inc.	Leaching Study - Water - Deep Injection Well	10/25/2016	no cost extension	\$234,839	\$234,839
Bright House Networks LLC	High Speed Communications Service	10/28/2013	10/27/2023	\$1,444,400	\$669,284
Campus Logic	Comprehensive student financial success platform	9/5/2019	8/31/2024	\$284,200	\$52,400
Capture LLC	Recruitment Services	7/29/2019	6/30/2022	\$204,912	\$65,000
Clark Nikdel Inc.	Creative Services	7/1/2018	6/30/2023	\$1,500,000	\$679,736
Clarke Environmental Mosquito Management Inc.	Mosquito Control Services	7/1/2016	6/30/2021	\$222,915	\$150,733
Elliance, Inc.	Creative Services	3/19/2018	3/18/2023	\$375,000	\$129,580
Global University Systems (GUS)	International Student Recruitment (5 year)	12/6/2018	12/5/2023	\$3,047,682	\$0
Hellmuth Obata and Kassabaum Inc.	HOK - Applied Research Center	10/1/2017	5/30/2022	\$2,949,795	\$2,069,039
Higher One, Inc. (CashNet)	Cashiering functionality for the University	5/15/2018	5/14/2021	\$336,716	\$38,169
Indie Atlantic LLC	Creative Services	7/1/2018	6/30/2023	\$375,000	\$152,058
International Business Machines Corporation	IBM Implementation Services - Workday Student	5/3/2017	12/31/2020	\$2,584,494	\$686,405
Lakeland Regional Medical Center	Student Health Care Services	8/21/2019	8/20/2022	\$225,386	\$33,187
Liberty Lawn Care LLC	Grounds Maintenance	1/28/2016	1/26/2020	\$2,317,965	\$1,825,495
NuPark by Passport	University Parking Management System	3/28/2019	3/27/2026	\$215,100.00	\$32,400
Potthast Studios, Inc.	Creative Services	4/24/2018	4/23/2020	\$375,000	\$16,003
Presidio Networked Solutions Inc.	Cisco SmartNet; Network equipment repair and maintenance	7/1/2019	6/30/2020	\$131,951	\$53,763
			until work		
Skanska USA Building Inc.	Construction Manager for ARC Building/Preconstruction	7/1/2018	completed	\$310,000	\$227,000
Skanska USA Building, Inc.	Applied Research Center Foundation and Structure GMP	9/11/2019	8/13/2021	\$8.2M	\$555,119
			until work		
Skanska USA Building Inc.	IST Building Reconstruction	5/22/2019	completed	\$9,600,000	\$2,825,876
S3Media Group	Creative Services	3/20/2018	3/19/2020	\$375,000	\$0
Safari Micro	VMWare (Software/Hardware/Implementation)	7/16/2018	7/15/2021	\$376,752	\$96,699
Super Transportation of Florida LLC	TransDev Services Inc Student Transportation Services	8/12/2016	6/30/2020	\$558,002	\$426,581
Tinsley Creative	Creative Services	3/15/2018	3/14/2020	\$375,000	\$15,609
Tucker Hall Inc.	Public Relations	6/7/2019	6/6/2024	\$450,000	\$35,735
Unit4 Education Solutions Inc	CAMS Student Information System	9/17/2013	Until terminated	\$247,956	\$491,713
WFF Facility Services	Custodial Services	1/1/2019	2/15/2022	\$920,243	\$308,551
Workday Inc.	Workday Student (Subscription & Delivery Assurance)	7/29/2016	7/28/2021	\$1,371,867	\$850,461
	Workday HCM & Finance (Subscription & Delivery Assurance				
Workday Inc.	(Renewal)	4/30/2015	4/29/2021	\$2,132,537	\$2,132,537

NOTES

1. "As budget allows" means there was no firm fixed Total Value for the Agreement, only estimates based on budget availability.

2. Continuing Service Contracts for architectural, engineering, & construction services are based on multiple releases for minor projects and are limited to \$2 million

Florida Polytechnic University Contracts for disclosure between \$200,000 and \$500,000 Approximate Spend to Date Feb-20

					Revised	
Vendor	Contract Type	Start Date	End Date	Original Amt	Contract Amt	Spend

No new contracts over \$200,000

Florida Polytechnic University Contracts for approval in excess of \$500,000 Feb-20

				Contract
Vendor	Contract Type	Start Date	End Date	Amt
Skanska USA Building, Inc.	Applied Research Center GMP 02 (MEPF & Exterior Skin)	Upon Approval		\$17.6 M

This GMP 2 Proposal is the second of the anticipated to be three incremental GMP proposals: (1) GMP 1 Sitework/ Foundations/ Structure – executed 09.23.19; (2) GMP 2 MEPF & Exterior Skin; and (3) GMP 3 Interior Build-Out.

GMP 2 will include the following scopes of work: Masonry, Roofing, Exterior Weatherscreen, Metal and Concrete Rainscreen Panels, Exterior Curtainwall, Elevators, Fire Protection, Plumbing, HVAC, and Electrical at a cost of \$17,682,332.

https://floridapoly.edu/about/divisions-and-departments/procurement/archived-competitive-solicitations/17-005-pgs-arc-cm-services/

Florida Polytechnic University All active contracts in excess of \$200,000 Feb-20

Vendor	Contract Type	Start Date	End Date	Original Amt	Total Spend
	Software - Adobe Pro and Adobe Sign; new contract combined				
Adobe, Inc.	both licenses	10/27/2019	10/26/2022	\$202,322	\$67,441
Ardaman & Associates Inc.	Leaching Study - Water - Deep Injection Well	10/25/2016	no cost extension	\$234,839	\$234,839
Bright House Networks LLC	High Speed Communications Service	10/28/2013	10/27/2023	\$1,444,400	\$669,284
Campus Logic	Comprehensive student financial success platform	9/5/2019	8/31/2024	\$284,200	\$52,400
Capture LLC	Recruitment Services	7/29/2019	6/30/2022	\$204,912	\$65,000
Clark Nikdel Inc.	Creative Services	7/1/2018	6/30/2023	\$1,500,000	\$679,736
Clarke Environmental Mosquito Management Inc.	Mosquito Control Services	7/1/2016	6/30/2021	\$222,915	\$150,733
Elliance, Inc.	Creative Services	3/19/2018	3/18/2023	\$375,000	\$129,580
Global University Systems (GUS)	International Student Recruitment (5 year)	12/6/2018	12/5/2023	\$3,047,682	\$0
Hellmuth Obata and Kassabaum Inc.	HOK - Applied Research Center	10/1/2017	5/30/2022	\$2,949,795	\$2,069,039
Higher One, Inc. (CashNet)	Cashiering functionality for the University	5/15/2018	5/14/2021	\$336,716	\$38,169
Indie Atlantic LLC	Creative Services	7/1/2018	6/30/2023	\$375,000	\$152,058
International Business Machines Corporation	IBM Implementation Services - Workday Student	5/3/2017	12/31/2020	\$2,584,494	\$686,405
Lakeland Regional Medical Center	Student Health Care Services	8/21/2019	8/20/2022	\$225,386	\$33,187
Liberty Lawn Care LLC	Grounds Maintenance	1/28/2016	1/26/2020	\$2,317,965	\$1,825,495
NuPark by Passport	University Parking Management System	3/28/2019	3/27/2026	\$215,100.00	\$32,400
Potthast Studios, Inc.	Creative Services	4/24/2018	4/23/2020	\$375,000	\$16,003
Presidio Networked Solutions Inc.	Cisco SmartNet; Network equipment repair and maintenance	7/1/2019	6/30/2020	\$131,951	\$53,763
			until work		
Skanska USA Building Inc.	Construction Manager for ARC Building/Preconstruction	7/1/2018	completed	\$310,000	\$227,000
Skanska USA Building, Inc.	Applied Research Center Foundation and Structure GMP	9/11/2019	8/13/2021	\$8.2M	\$555,119
			until work		
Skanska USA Building Inc.	IST Building Reconstruction	5/22/2019	completed	\$9,600,000	\$2,825,876
S3Media Group	Creative Services	3/20/2018	3/19/2020	\$375,000	\$0
Safari Micro	VMWare (Software/Hardware/Implementation)	7/16/2018	7/15/2021	\$376,752	\$96,699
Super Transportation of Florida LLC	TransDev Services Inc Student Transportation Services	8/12/2016	6/30/2020	\$558,002	\$426,581
Tinsley Creative	Creative Services	3/15/2018	3/14/2020	\$375,000	\$15,609
Tucker Hall Inc.	Public Relations	6/7/2019	6/6/2024	\$450,000	\$35,735
Unit4 Education Solutions Inc	CAMS Student Information System	9/17/2013	Until terminated	\$247,956	\$491,713
WFF Facility Services	Custodial Services	1/1/2019	2/15/2022	\$920,243	\$308,551
Workday Inc.	Workday Student (Subscription & Delivery Assurance)	7/29/2016	7/28/2021	\$1,371,867	\$850,461
	Workday HCM & Finance (Subscription & Delivery Assurance				
Workday Inc.	(Renewal)	4/30/2015	4/29/2021	\$2,132,537	\$2,132,537

NOTES

1. "As budget allows" means there was no firm fixed Total Value for the Agreement, only estimates based on budget availability.

2. Continuing Service Contracts for architectural, engineering, & construction services are based on multiple releases for minor projects and are limited to \$2 million

All active contracts in excess of \$200,000

Feb-20

Vendor	Contract Type	Start Date	End Date	Original Amt	Spend	Source Method	Sourcing	Comments
								Sole source was the procurement method used to acquire
								these software subscriptions based on BOG Regulation which states commodities or contractual services
								available from a single source may be exempted from the
	Software - Adobe Pro and Adobe Sign; new contract combined							competitive solicitation process.
Adobe, Inc.	both licenses	10/27/2019	10/26/2022	\$202,322	\$67,441	Sole Source	BOG Reg	
Ardaman & Associates Inc.	Leaching Study - Water - Deep Injection Well	10/25/2016	no cost extension	\$234,839	\$234,839	BOG Exception	Research	FIPR
Bright House Networks LLC	High Speed Communications Service	10/28/2013	10/27/2023	\$1,444,400	\$669,284	FPU-UF Sol	ITN13RL-133	8 proposals (UF Managed)
								Computer size is a compact proving student financial
								CampusLogic is a comprehensive student financial
								success platform. In order to provide the best student
								experience, the solution must be easy, mobile, and personalized. It must also meet all product functionality
								and technical requirements including easy Integration with
								our student information system and imaging system.
								Florida Poly has determined that CampusLogic Is the only
								company that provides a student financial services
								platform with all product functionality and technical
								requirements needed. Sole source was the procurement
								method used to acquire this product based on BOG
								Regulation which states commodities or contractual
								services available from a single source may be exempted
								from the competitive solicitation process.
Campus Logic Capture LLC	Comprehensive student financial success platform Recruitment Services	9/5/2019 7/29/2019	8/31/2024 6/30/2022	\$284,200 \$204,912	\$52,400 \$65.000	Sole Source PB	BOG Reg DQ17-00012	Colorado State University
Clark Nikdel Inc.	Creative Services	7/1/2018	6/30/2022	\$1,500,000	\$679,736	FPU Sol	ITN 18-003	5/23/18 Bd Approval; all services except photo
Clarke Environmental Mosquito Management Inc.	Mosquito Control Services	7/1/2016	6/30/2023	\$222,915	\$150,733	FPU Sol	ITB 16-021	3 proposals; Turner, Total, Clark
Elliance, Inc.	Creative Services	3/19/2018	3/18/2023	\$375,000	\$129,580	FPU Sol	ITN 18-003	All Services
Global University Systems (GUS)	International Student Recruitment (5 year)	12/6/2018	12/5/2023	\$3,047,682	\$0	ITN	ITN 18-010	Tuition Rev \$7.3m; Fee to Gus \$3m; Net to FPU \$4.2m
Hellmuth Obata and Kassabaum Inc.	HOK - Applied Research Center	10/1/2017	5/30/2022	\$2,949,795	\$2,069,039	FPU Sol	RFQ 16-028	17 proposals; 5 shortlisted
								CashNet was compared with another cashiering system
								and was selected based on best value and best price.
								Payments will begin at GoLive tentatively scheduled for
Lister Ore Inc. (CeekNet)		E/4E/0040	E /4 4/0004	¢000 740	600 400			June 2019. Three year contract with two 1-year renewals.
Higher One, Inc. (CashNet) Indie Atlantic LLC	Cashiering functionality for the University Creative Services	5/15/2018 7/1/2018	5/14/2021 6/30/2023	\$336,716 \$375,000	\$38,169 \$152,058	UNF Sol FPU Sol	ITN 16-23 ITN 18-003	All Services
International Business Machines Corporation	IBM Implementation Services - Workday Student	5/3/2017	12/31/2020	\$2,584,494	\$686,405	FPU Sol	ITN 16-023	2 proposals
Lakeland Regional Medical Center	Student Health Care Services	8/21/2019	8/20/2022	\$225,386	\$33,187	BOG Exception	Health Services	
								4 proposals; 2 qualified for review; Liberty and Evolve;
Liberty Lawn Care LLC	Grounds Maintenance	1/28/2016	1/26/2020	\$2,317,965	\$1,825,495	FPU Sol	ITB 16-001	beginning 1st renewal; 4 of 5 year term
		0/00/0040	0/07/0000	0015 100 00	6 00 400	NODAA		3 proposals considered: NuPark, T23, and Aims under
NuPark by Passport Potthast Studios, Inc.	University Parking Management System Creative Services	3/28/2019 4/24/2018	3/27/2026 4/23/2020	\$215,100.00 \$375.000	\$32,400 \$16.003	NCPAA FPU Sol	RFP #26-16 ITN 18-003	RFQ 19-003; initial 5 year and two 1-year renewals. Videography & Photography
Foundation Studios, Inc.	Creative Services	4/24/2010	4/23/2020	\$375,000	φ10,003	FF0 30	43220000-WSCA-I 4-	
Presidio Networked Solutions Inc.	Cisco SmartNet; Network equipment repair and maintenance	7/1/2019	6/30/2020	\$131.951	\$53.763	NASPO	ACS	
Skanska USA Building Inc.	Construction Manager for ARC Building/Preconstruction					EDILO I		
	Construction Manager for ARC Building/Freconstruction	7/1/2018	until work completed	\$310,000	\$227,000	FPU Sol	PQS 17-005	13 proposals; 4 shortlisted
Skanska USA Building, Inc.	Applied Research Center Foundation and Structure GMP	9/11/2018	until work completed 8/13/2021	\$310,000 \$8.2M		FPU Sol	PQS 17-005 PQS 17-006	13 proposals; 4 shortlisted 14 proposals; 4 shortlisted
Skanska USA Building, Inc.					\$227,000			14 proposals; 4 shortlisted
Skanska USA Building, Inc.					\$227,000			14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation
Skanska USA Building, Inc.					\$227,000			14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with
Skanska USA Building, Inc.					\$227,000			14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication
Skanska USA Building, Inc.					\$227,000			14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design
Skanska USA Building, Inc.					\$227,000			14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was
Skanska USA Building, Inc.					\$227,000			14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the
Skanska USA Building, Inc.					\$227,000			14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of
	Applied Research Center Foundation and Structure GMP	9/11/2019	8/13/2021	\$8.2M	\$227,000 \$555,119	FPU Sol	PQS 17-006	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original
Skanska USA Building, Inc. Skanska USA Building Inc. S3Media Group					\$227,000			14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of
Skanska USA Building Inc.	Applied Research Center Foundation and Structure GMP	9/11/2019 5/22/2019	8/13/2021 until work completed	\$8.2M \$9,600,000	\$227,000 \$555,119 \$2,825,876	FPU Sol	PQS 17-006 Pergolas Repair	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original contractors. all services except photo
Skanska USA Building Inc. S3Media Group	Applied Research Center Foundation and Structure GMP IST Building Reconstruction Creative Services	9/11/2019 5/22/2019 3/20/2018	8/13/2021 until work completed 3/19/2020	\$8.2M \$9,600,000 \$375,000	\$227,000 \$555,119 \$2,825,876 \$0	FPU Sol Sole Source FPU Sol	PQS 17-006 Pergolas Repair ITN 18-003	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original contractors. all services except photo Virtual Application Portal; Faculty/Staff/Students will have
Skanska USA Building Inc. S3Media Group Safari Micro	Applied Research Center Foundation and Structure GMP IST Building Reconstruction Creative Services VMWare (Software/Hardware/Implementation)	9/11/2019 5/22/2019 3/20/2018 7/16/2018	8/13/2021 until work completed 3/19/2020 7/15/2021	\$8.2M \$9,600,000 \$375,000 \$376,752	\$227,000 \$555,119 \$2,825,876 \$0 \$96,699	FPU Sol Sole Source FPU Sol Consortium	PQS 17-006 Pergolas Repair ITN 18-003 GSA - GS-35F-03495	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original contractors. all services except photo Virtual Application Portal; Faculty/Staff/Students will have access to university software on any personal device
Skanska USA Building Inc. S3Media Group Safari Micro Super Transportation of Florida LLC	Applied Research Center Foundation and Structure GMP IST Building Reconstruction Creative Services VMWare (Software/Hardware/Implementation) TransDev Services Inc Student Transportation Services	9/11/2019 5/22/2019 3/20/2018 7/16/2018 8/12/2016	8/13/2021 until work completed 3/19/2020 7/15/2021 6/30/2020	\$8.2M \$9,600,000 \$375,000 \$376,752 \$558,002	\$227,000 \$555,119 \$2,825,876 \$0 \$96,699 \$426,581	FPU Sol Sole Source FPU Sol Consortium Shared Initiative	PQS 17-006 Pergolas Repair ITN 18-003 GSA - GS-35F-03495 UCF	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original contractors. all services except photo Virtual Application Portal; Faculty/Staff/Students will have access to university software on any personal device Transportation Services
Skanska USA Building Inc. S3Media Group Safari Micro	Applied Research Center Foundation and Structure GMP IST Building Reconstruction Creative Services VMWare (Software/Hardware/Implementation)	9/11/2019 5/22/2019 3/20/2018 7/16/2018	8/13/2021 until work completed 3/19/2020 7/15/2021	\$8.2M \$9,600,000 \$375,000 \$376,752	\$227,000 \$555,119 \$2,825,876 \$0 \$96,699	FPU Sol Sole Source FPU Sol Consortium	PQS 17-006 Pergolas Repair ITN 18-003 GSA - GS-35F-03495	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original contractors. all services except photo Virtual Application Portal; Faculty/Staff/Students will have access to university software on any personal device Transportation Services
Skanska USA Building Inc. S3Media Group Safari Micro Super Transportation of Florida LLC Tinsley Creative	Applied Research Center Foundation and Structure GMP IST Building Reconstruction Creative Services VMWare (Software/Hardware/Implementation) TransDev Services Inc Student Transportation Services Creative Services	9/11/2019 5/22/2019 3/20/2018 7/16/2018 8/12/2016 3/15/2018	8/13/2021 until work completed 3/19/2020 7/15/2021 6/30/2020 3/14/2020	\$8.2M \$9,600,000 \$375,000 \$376,752 \$558,002 \$375,000	\$227,000 \$555,119 \$2,825,876 \$0 \$96,699 \$426,581 \$15,609	Sole Source FPU Sol Consortium Shared Initiative FPU Sol	PQS 17-006 Pergolas Repair ITN 18-003 GSA - GS-35F-03495 UCF ITN 18-003	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original contractors. all services except photo Virtual Application Portal; Faculty/Staff/Students will have access to university software on any personal device Transportation Services All Services
Skanska USA Building Inc. S3Media Group Safari Micro Super Transportation of Florida LLC	Applied Research Center Foundation and Structure GMP IST Building Reconstruction Creative Services VMWare (Software/Hardware/Implementation) TransDev Services Inc Student Transportation Services	9/11/2019 5/22/2019 3/20/2018 7/16/2018 8/12/2016	8/13/2021 until work completed 3/19/2020 7/15/2021 6/30/2020	\$8.2M \$9,600,000 \$375,000 \$376,752 \$558,002	\$227,000 \$555,119 \$2,825,876 \$0 \$96,699 \$426,581	FPU Sol Sole Source FPU Sol Consortium Shared Initiative	PQS 17-006 Pergolas Repair ITN 18-003 GSA - GS-35F-03495 UCF	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original contractors. all services except photo Virtual Application Portal; Faculty/Staff/Students will have access to university software on any personal device Transportation Services All Services Three proposals; two put under contract; Tucker Hall for \$450K and Sachs Media Group for \$150K
Skanska USA Building Inc. S3Media Group Safari Micro Super Transportation of Florida LLC Tinsley Creative	Applied Research Center Foundation and Structure GMP IST Building Reconstruction Creative Services VMWare (Software/Hardware/Implementation) TransDev Services Inc Student Transportation Services Creative Services	9/11/2019 5/22/2019 3/20/2018 7/16/2018 8/12/2016 3/15/2018	8/13/2021 until work completed 3/19/2020 7/15/2021 6/30/2020 3/14/2020	\$8.2M \$9,600,000 \$375,000 \$376,752 \$558,002 \$375,000	\$227,000 \$555,119 \$2,825,876 \$0 \$96,699 \$426,581 \$15,609	Sole Source FPU Sol Consortium Shared Initiative FPU Sol	PQS 17-006 Pergolas Repair ITN 18-003 GSA - GS-35F-03495 UCF ITN 18-003	14 proposals; 4 shortlisted SKANSKA was the original CM supervising the installation of the fabricated aluminum pergolas and interface with electrical systems. The aluminum Pergola fabrication process, in accordance with the original design specifications, is proprietary to MG McGrath who also was the original sub-contractor for original construction of the IST building. The supervision, removal and installation of the new Pergolas must be performed by the original contractors. all services except photo Virtual Application Portal; Faculty/Staff/Students will have access to university software on any personal device Transportation Services All Services

							Based on current	
Workday Inc.	Workday Student (Subscription & Delivery Assurance)	7/29/2016	7/28/2021	\$1,371,867	\$850,461	Sole Source	ERP Subscription	
	Workday HCM & Finance (Subscription & Delivery Assurance							
Workday Inc.	(Renewal)	4/30/2015	4/29/2021	\$2,132,537	\$2,132,537	FPU-UF Sol	RFI/RFQ	3 proposals

NOTES

As budget allows^{*} means there was no firm fixed Total Value for the Agreement, only estimates based on budget availability.
 Continuing Service Contracts for architectural, engineering, & construction services are based on multiple releases for minor projects and are limited to \$2 million