## UCF FACILITIES PLANNING AND CONSTRUCTION

**PROFESSIONAL SERVICES ORIENTATION** 

- 1.0 introductions
- 2.0 fp&c
- 3.0 projects
  - 3.1 minor
  - 3.2 major
- 4.0 workflow
- 5.0 additional information

index

- 6.0 evaluations
- 7.0 inquiries





## Architects

**Building Envelope** 

## MEPF

Commissioning

Landscape Architects

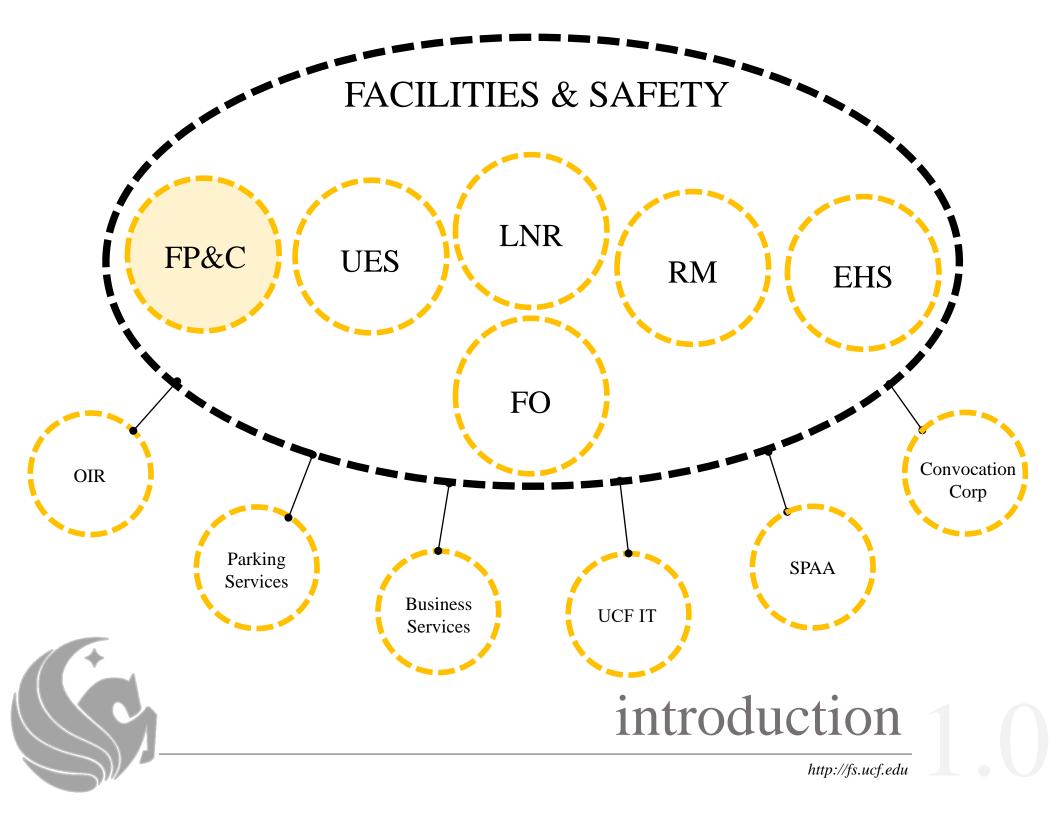
**Civil Engineers** 

Master Planners





http://fp.ucf.edu/sites/default/files/projects/ContinuingServicesFirms.pdf



Facilities & Safety (F&S): Facilities Planning & Construction (FP&C): Utilities & Energy Services (UES): Environmental Health & Safety (EH&S): Landscape & Natural Resources (LNR): UCF Technology Services (IT): Office of Instructional Resources (OIR): Resource Management (RM): Facilities Operations (FO): Space Planning, Analysis & Administration (SPAA):

www.fs.ucf.edu www.fp.ucf.edu www.energy.ucf.edu www.ehs.ucf.edu www.green.ucf.edu www.it.ucf.edu www.oir.ucf.edu www.rm.ucf.edu www.fo.ucf.edu

http://provost.ucf.edu/academic-affairs/space-planning-analysis-and-administration/ https://businessservices.ucf.edu/index.html **Business Services:** 

UCF Convocation Corporation:

https://admfin.ucf.edu/debt-management/

introduction

## purpose

The Facilities Planning and Construction Department is committed to providing proactive service and value to the campus clients we serve. Our goal is to deliver projects within the budget and time frame that they are needed. Our project managers and leadership staff come from the architectural, engineering, interior design, and construction industries, providing the university with a wealth of experience to draw from for efficient and effective project execution.





## vision

To represent the University of Central Florida Core Values within the FP&C Department through:

**Integrity:** honest and fair Scholarship: create an exciting and safe campus environment to enhance student learning **Community:** sensitive to our community neighbors and partners throughout the development of our campus and facilities **Creativity:** design and construct facilities that embrace new technology and allow flexibility for future growth and change **Excellence:** provide the highest quality sustainable service throughout the design and construction phases of our projects.

## mission

To ensure that the quality of UCF's physical environment supports the university's standards in teaching, research, and campus life;

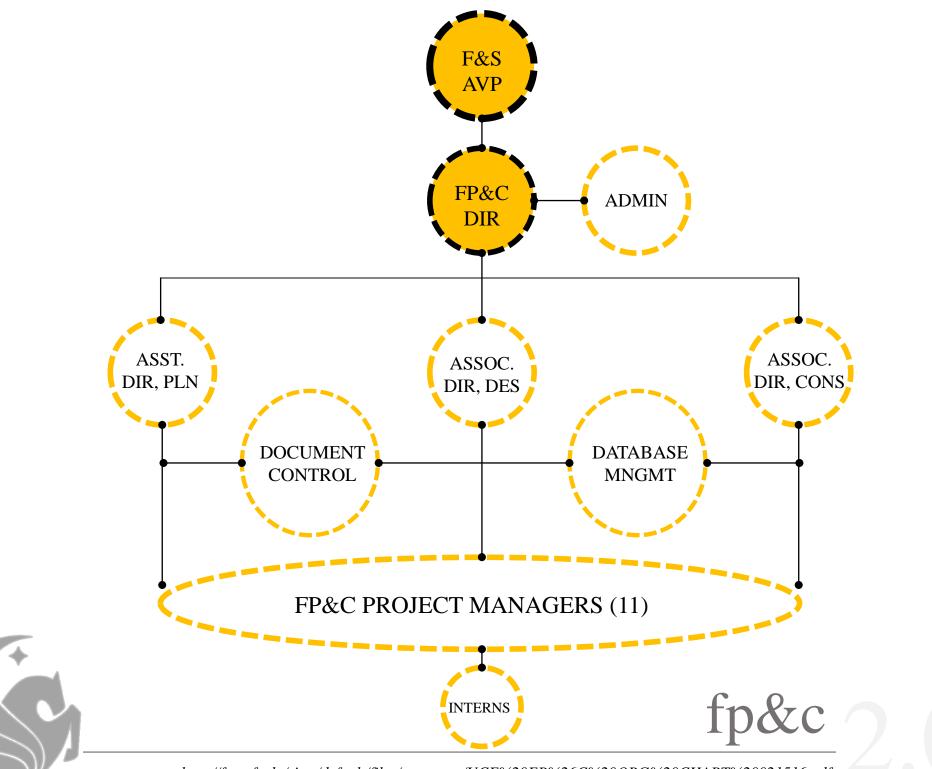
To excel in project delivery through leadership, integrity, passion, and excellent customer service;

To create an exciting and safe campus environment for UCF students, faculty and staff to learn, teach, work and play;

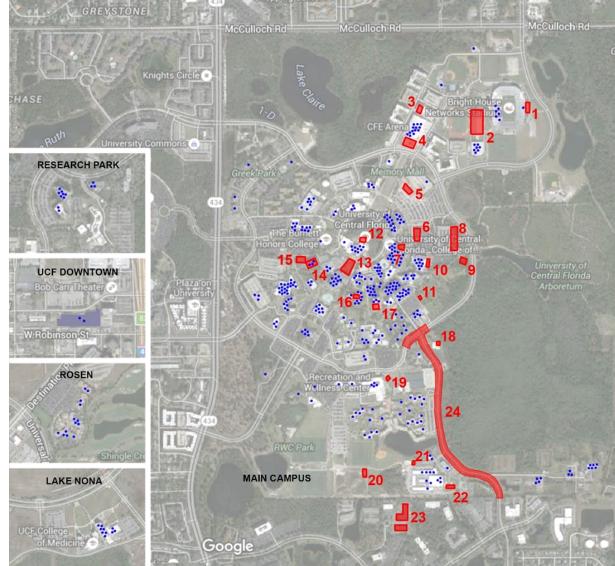
To minimize the life-cycle cost and environmental impact of UCF facilities, while ensuring the design and construction of sustainable and maintainable facilities; and

To maintain a departmental culture of respect and dignity where individuals are encouraged to lead, learn and grow.





http://fp.ucf.edu/sites/default/files/resources/UCF%20FP%26C%20ORG%20CHART%20021516.pdf



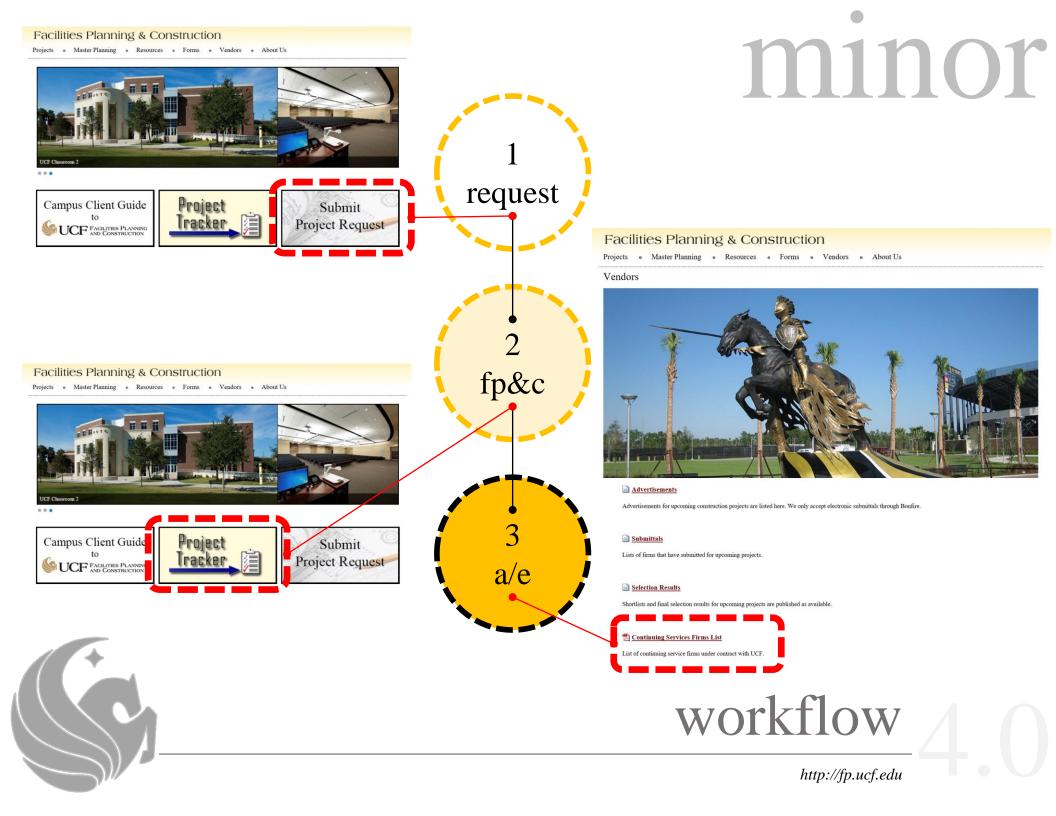
## 2016 MAJOR, LARGE MINOR PROJECTS

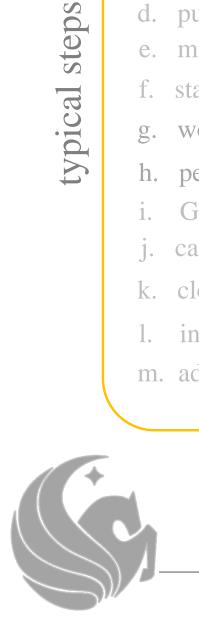
**1. WDSCAL ATHLETICS** 2. PRACTICE FIELD HVAC 3. ARENA HVAC 4. ARENA PLAZA 5. UCF GLOBAL 6. INTERDISCIPLINARY 7. ENGINEERING HVAC 8. PARKING C EXPANSION 9. DISTRICT ENERGY PLANT **10. CREOL EXPANSION 11. ARBORETUM GREENHOUSE 12. STUDENT UNION EXPANSION** 13. LIBRARY EXPANSION **14. TREVOR COLBOURN 15. COLBOURN RENO 16. MATHEMATICAL HVAC 17. HEALTH EXPANSION 18. FACILITIES OPERATIONS 19. POLLO TROPICAL** 20. BAND BUILDING 21. EH&S EXPANSION 22. RM WAREHOUSE 23. BENNETT BUILDINGS 24. LIBRA ROAD 25. PARTNERSHIP IV (OFF MAP)

MINOR PROJECTS · (300+)



http://fp.ucf.edu/sites/default/files/projects/2016UCFPROJECTS.pdf





- sow to a/e a. walkthrough b. proposal C. purchase order d. milestones e. standards workshops g. permit / bid h. GC selection ca close out invoice
- m. add service

2. Selects A/E:

rotation
expertise
work load
familiarity

3. PM sends SOW to A/E
4. SOW is a preliminary eval, A/E will need to verify to develop final SOW

1. PM develops Scope of Work

On site scope verification
 FP&C, A/E & End User
 Existing Site Verification

a/e



walkthrough



sow to a/e a. b. walkthrough c. proposal purchase order d. e. milestones standards workshops g. permit / bid h. GC selection ca close out invoice m. add service

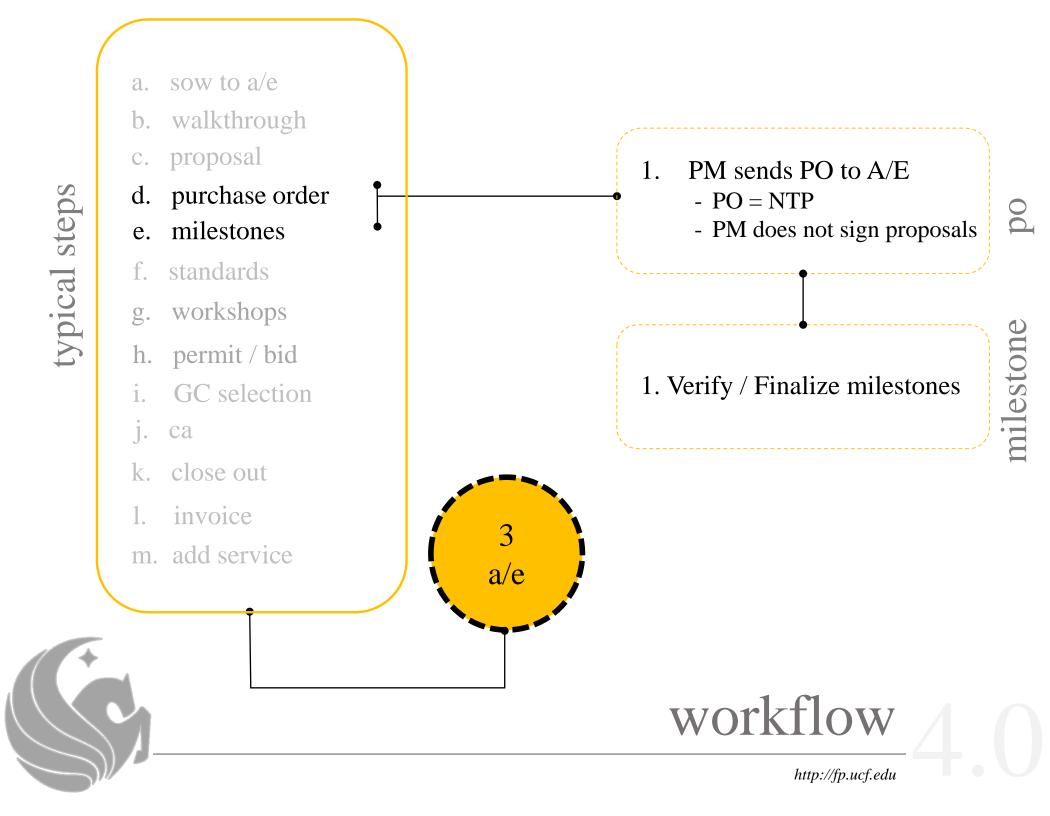
### 1. Submit to PM

- 2. PM will review:
  - all scope items are met
  - prelim milestone
  - alternate / exclusion
  - met req. of CS contract
  - no markups on basic services sub-consultants
  - 8% max markup on specialty consultant
- 3. PM recommends to user
- 4. PM receive funding

3

a/e







Project: Renovate 3rd Floor FI#: 15053004

Bldg / Rm#: Building 53, Third Floor

**Requestor: James Ross** 

D	Task Name	Duration	Start	Finish	Nov 9, '14	Dec 28, '14	Feb 15, '15
1	Project Kick-Off Meeting	1 day	Thu 12/4/14	Thu 12/4/14	· 100%		
2	Proposal Received	1 day	Thu 12/11/14	Thu 12/11/14	• 10 <sup>0%</sup>	6	
3	Reviewed Proposal sent to User	1 day	Mon 12/22/14	Mon 12/22/14		100%	
4	Approval from User	15 days	Mon 12/22/14	Fri 1/9/15	-	5%	
5	P.O. Process	10 days	Mon 1/12/15	Fri 1/23/15		0%	
6	Design	81 days	Mon 1/26/15	Mon 5/18/15			
7	Schematic Design	30 days	Mon 1/26/15	Fri 3/6/15		*	0%
8	Schematic Design Review	10 days	Mon 3/9/15	Fri 3/20/15			رد •رد
9	Design Development	30 days	Mon 3/23/15	Fri 5/1/15			*
10	Design Development Review	10 days	Mon 5/4/15	Fri 5/15/15			
11	Finalize Equipment List	1 day	Mon 5/18/15	Mon 5/18/15			
1 <b>2</b>	Construction Documents	40 days	Mon 5/18/15	Fri 7/10/15			
13	Construction Document	30 days	Mon 5/18/15	Fri 6/26/15			
14	CD Review	5 days	Mon 6/29/15	Fri <b>7/3/15</b>			
15	Corrected Final	5 days	Mon 7/6/15	Fri <b>7/10/15</b>			
16	Permitting	45 days	Mon 7/13/15	Fri 9/11/15			
17	BCO	30 days	Mon 7/13/15	Fri 8/21/15			
18	SFM	45 days	Mon 7/13/15	Fri 9/11/15			
19	Bidding	20 days	Mon 7/13/15	Fri 8/7/15			
20	Pre Construction Meeting	5 days	Mon 9/14/15	Fri 9/18/15			
<b>2</b> 1	Construction	80 days	Mon 9/21/15	Fri 1/8/16			
22							

Sun 12/21/14 FI PM: Renwick Daelo

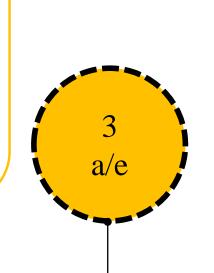




- a. sow to a/e
- b. walkthrough
- c. proposal
- d. purchase order
- e. milestones
- f. standards
- g. workshops
- h. permit / bid
- i. GC selection
- j. ca

typical steps

- k. close out
- l. invoice
- m. add service



**DESIGN STANDARDS PROF. SERVICES GUIDE** UCF IT STANDARDS **OIR GUIDELINES** LNR GUIDELINES LAB DESIGN GUIDELINES **UES GUIDELINES** FBC NFPA FL ACCESSIBILITY CODE **FL FIRE PREVENTION** 

workflow

NEC

http://fp.ucf.edu

#### UCF Standards Division Requirements and Critical Needs Documentation

By signing and dating this document, the Architect of Record affirms that all of the Standards within a particular Division have been reviewed and incorporated into the Contract Documents.

Any deviation from the Standards must be applied for by the Architect of Record and approved, in writing, by the UCF Standards Committee.

Identify where each Critical Need is addressed in the plans and specifications.

Design Phase:

\*The critical needs checklist and the design phase document below must be completed and submitted for all design phases along with the Design Phase Status Report (<u>Attachment 1</u>).

Professional Services Guide	Plan Page #	Specification Page #			
PSG.1					
PSG.2					
PSG.3					
Signature		Date			
Printed Nan	ne				
Division 0	Plan Page #	Specification Page #			
0.0					
0.1					
Division 01	Plan Page #	Specification Page #			
1.1					
1.2					
1.3					
1.4					
1.5					
1.6					





#### **REQUEST FOR STANDARDS DEVIATION FORM**

Requester:	Date:	Location:
Requesting Agency:	Phone:	Log No:
Project:	E-mail:	Proj/Fl #
Project Manager:	Standards Date:	

Completed form shall be sent to Kimberly Gault (Kimberly.Gault@ucf.edu) for distribution to committee. (One deviation per form) Upon committee action, this form shall be routed to the Directors and Lee Kernek, AVP Administration and Finance, for final approval.

**Cite Existing Standard** 

Page	Standard

Describe the Deviation and Reasons for Requesting a Deviation:

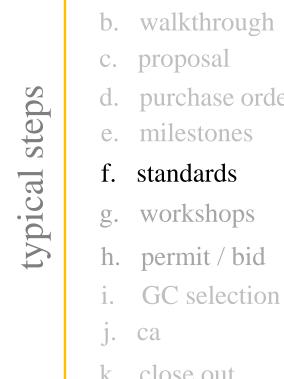
REQUESTER SIGNATURE:

DATE:

#### STANDARDS COMMITTEE MEMBER SIGNATURES

	wor	kflow
Lee Kernek, AVP Administration and Finance	Approve / Disapprove	Date:
Curtis Wade Frank Ballentine	Approve / Disapprove Approve / Disapprove	Date: Date:
Renea Carver       Duane Siemen       Bill Martin       Dr. Patrick Bohlen       Montel Watson	Approve / Disapprove Approve / Disapprove Approve / Disapprove Approve / Disapprove Approve / Disapprove	Date: Date: Date: Date: Date:

http://fp.ucf.edu/forms



## Owner's Project Req. (OPR) - provided by UCF Commissioning LEED

standards



http://fp.ucf.edu

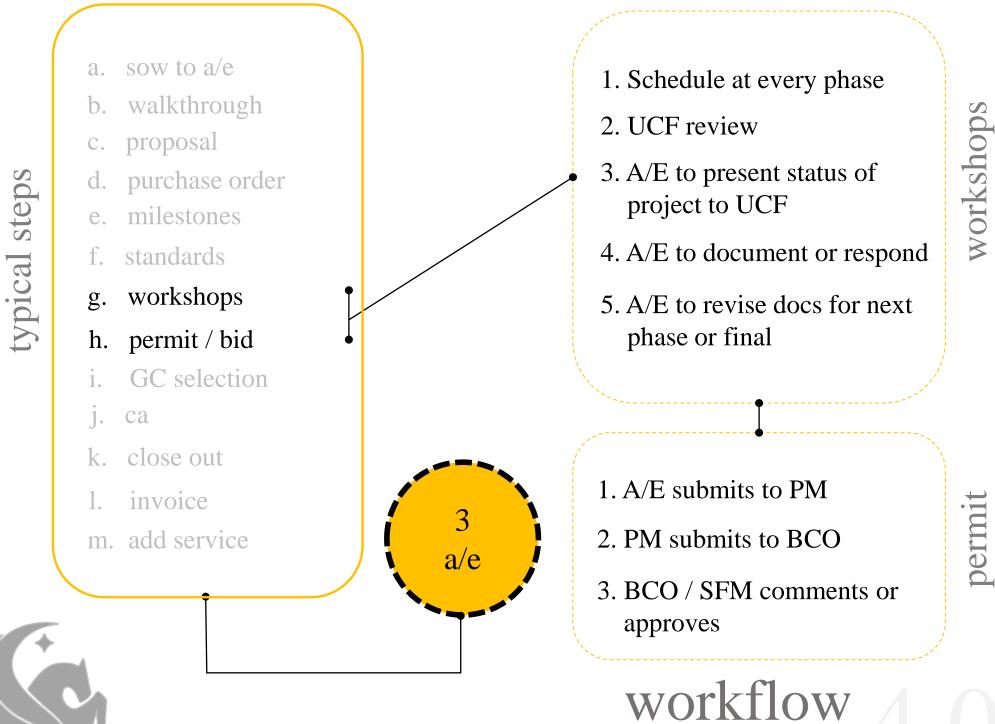
purchase order

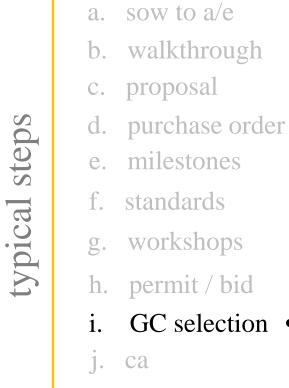
a. sow to a/e

- close out k.
- invoice
- m. add service

3

a/e





- k. close out
- 1. invoice
- m. add service

 A/E – PM execute bid walk
 A/E – PM respond to bid RFI
 A/E – PM review bid

4. A/E recommends

5. PM provide final selection

6. Pre-Con meeting

a/e

Discuss CC or CO (CC) Certification of Completion \*CC only req. BCO Sign Off

(CO) Certificate of Occupancy \*CO needs full F&S Sign Off





#### University of Central Florida

Office of Facilities Planning and Construction

#### SUBSTANTIAL and FINAL COMPLETION REOUIREMENTS (UCF Project Manager shall provide/certify the following required information)

#### Intent:

These Substantial and Final Completion Checklists and Approvals will be used by all Facilities & Safety department Directors to ensure that there are no outstanding issues or concerns related to the project prior to issuing a Certificate of Occupancy and, in some cases, a Certificate of Completion. This approval form represents a two-step process: step one for Substantial Completion (occupancy), and step two for Final Completion.

#### Responsibility:

The Project Manager will be responsible for obtaining all necessary signatures on these forms. Directors must check "A" for approved or "DA" for disapproved.

Once the Architect of Record, the UCF Project Manager, and Directors of Environmental Health and Safety, Utilities and Energy Services, and Facilities Planning and Construction have agreed that the requirements for occupancy listed below have been completed, the Contractor may apply for a Certificate of Occupancy through the UCF Building Code Office.

A mandatory separate meeting with the UCF Project Manager and the Contractor is required prior to Substantial Completion (occupancy) and Final Completion to discuss the documents needed for both project milestones. The Contractor, must bring all of the required documents for review to each meeting.

The building punch list walkthrough must have the following groups represented:

UCF FP&C

UCF EH&S

- UCF QA/QC
- UCF LNR
- UCF End User
  - Representative

- UCF UES
- UCF FO

Architect of Record

Documentation:

Note that all documentation for Substantial and Final Completion must be provided in the format and quantities required by the contract, as well as in electronic format (word, excel, pdf, rvt, etc.).





workflow

#### The following checklist requirements must be completed prior to Substantial Completion:

N/A Incl 1 Substantial Completion: The entire facility can be occupied and used for the purposes intended. Include a copy of the Architect of Record's Substantial Completion Certificate. Substantial Completion: All building inspections for code compliance have been 2. completed and passed. State Fire Marshal Life Safety inspections (where applicable) have been completed and passed. The testing of all life safety systems (Fire Alarm, Sprinkler, Generator (if applicable), Fire Pump, and Indoor Emergency Notification System) is complete. Include a letter from the Contractor indicating which inspections were passed and on what dates they were passed. These include MEP inspections, SFM inspections, the final building inspection, and any other inspections deemed necessary by the UCF Building Code Official. Substantial Completion: Elevator inspections have passed and certificates have been 3 issued. Include a letter from the Contractor indicating which inspections were passed and on what dates they were passed. Substantial Completion: The HVAC system and the Building Automation Systems (BAS) 4. are complete and have been approved by the Engineer of Record and Commissioning Agent. Include a letter from the Engineer of Record and the Commissioning Agent indicating that HVAC systems and BAS systems are complete. Substantial Completion: Test and Balance report has been completed and submitted to 5 the Engineer of Record for approval. Include a letter or email from the Engineer confirming that they have received the initial test and balance report.





Project Description:	Project Number:
Date of Completion	Permit Number:
Project Manager:	Phone Number:

#### SUBSTANTIAL COMPLETION APPROVALS

Department	Date	Approval Status		Printed/Signature
		A	DA	
UCF Project Manager				
Architect of Record				
Utilities & Energy Services (UES) Director				
Environmental Health & Safety (EH&S) Director				
Facilities Planning & Construction (FP&C) Director				

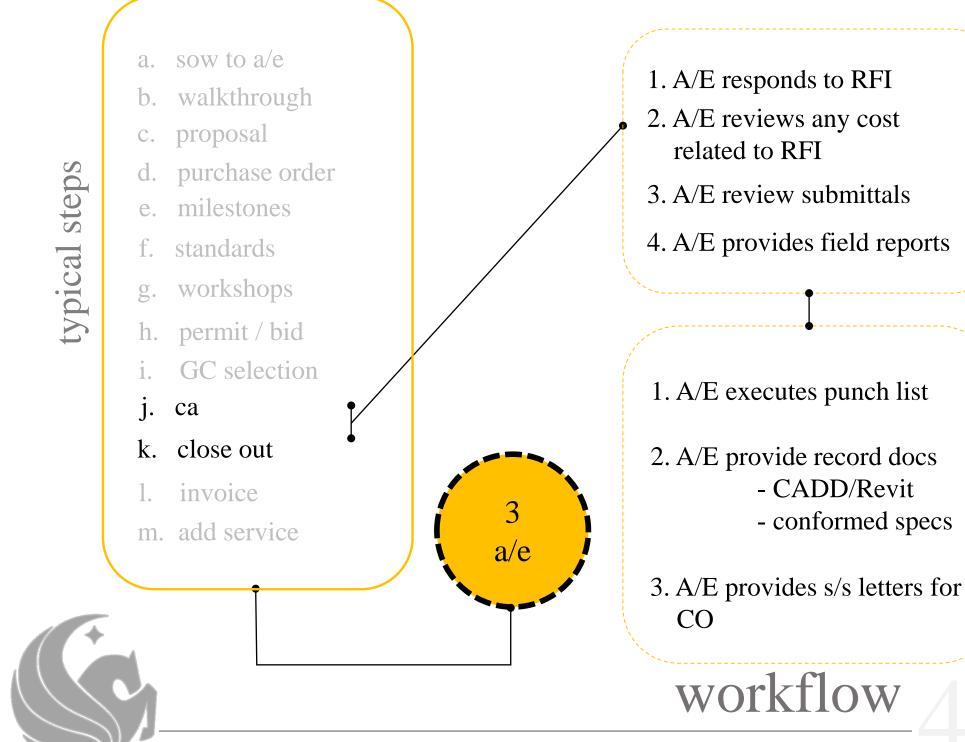
Department	Date	Approval Status		Printed/Signature	
		A	DA		
Architect of Record					
Utilities & Energy Services (UES) Director Security & Emergency Management (SEM) Director					
Environmental Health & Safety (EH&S) Director					
EH&S (Insurance)					
Facilities Operations (FO) Director					
Landscape & Natural Resources (LNR) Director					
Deputy Chief of Police					
Resource Management (RM) Director					
QA & QC Director					
Final Signatures:					
Facilities Planning & Construction (FPC) Director					
Building Code Official					
AVP F&S					

FINAL COMPLETION APPROVALS

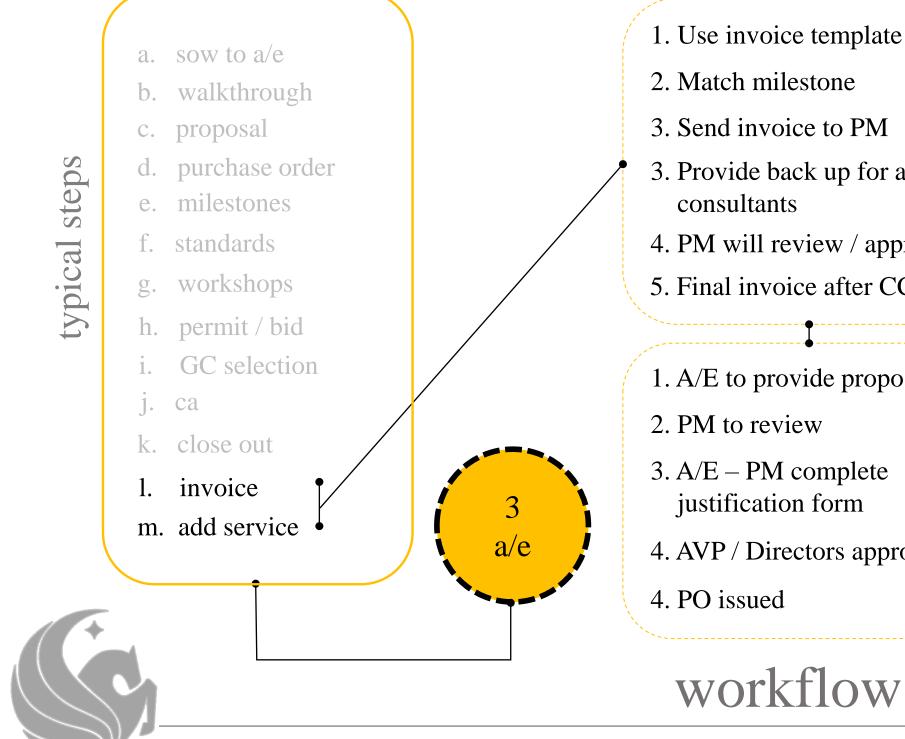


#### http://fp.ucf.edu





Ca



2. Match milestone 3. Send invoice to PM 3. Provide back up for all consultants 4. PM will review / approve 5. Final invoice after CC/CO 1. A/E to provide proposal 2. PM to review 3. A/E - PM complete justification form

- 4. AVP / Directors approve
- 4. PO issued



Service

add



#### PROFESSIONAL SERVICES INVOICE

To: University of Florida Facilities Planning & Construction P.O. Box 163640 Orlando, FL 32816-3640

Contact Person Phone/Email:

Firm Phone #: Federal ID #: Contact Person:

FROM:

Project Name: UCF Project #: Purchase Order #: Sequential Invoice #: Date: Professional's Project Number: Professional's Invoice Number: Other Professional Fields:

	DESIGN/BUILD SERVICES	FEE	% COMP	AMOUNT DUE	LESS PREVIOUSLY BILLED	AMOUNT DUE THIS INVOICE	TOTAL PAID
1			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
2			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
3			0.00%	\$ 0.00		\$ 0.00	
4			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
5			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
6			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
7			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
8			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
9			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
10			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
11			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
12			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
13			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
14			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
15			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
16			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
17			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
18			0.00%	\$ 0.00		\$ 0.00	\$ 0.00
	GRAND TOTALS	\$ 0.00	(	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

CERTIFIED TRUE AND CORRECT BY:

Typed Name of Principal

Signature of Principal

Date

	_	
UNIVERSITY APPROVAL	Date	Initials
Invoice Certification by UCF Project Manager		
Services have been rendered as invoiced		
Amounts invoiced are consistent with Contract		
Invoice Approval		
\$0 to \$50,000 Associate Director Facilities Planning and Construction		
\$50,000 + Director Facilities Planning and Construction		



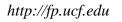


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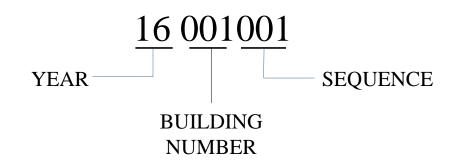
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- 1. Room Numbers are provided by SPAA
- 2. FP100 form required to acquire existing documents: <u>http://fp.ucf.edu/sites/default/files/forms/Request%20for%20Approval%20(FP100).pdf</u>
- 3. A/E's must determine a path of life safety solution and not depend on BCO to provide the solution
- 4. A/E's are expected to fully understand / incorporate all UCF Standards and not rely on the UCF FP&C PM
- 5. A/E to communicate with PM and not the end user
- 6. Campus Client Guide: <u>http://fp.ucf.edu/sites/default/files/resources/Campus%20Client%20Guide%2</u> <u>0to%20FP%26C.pdf</u>





- 7. Campus Building Addresses: <u>http://www.rm.fs.ucf.edu/crosswalk/default.aspx</u>
- 8. Minor Projects are designated by a 8 digit number



9. For all Project related communication, reference / include 8 digit number



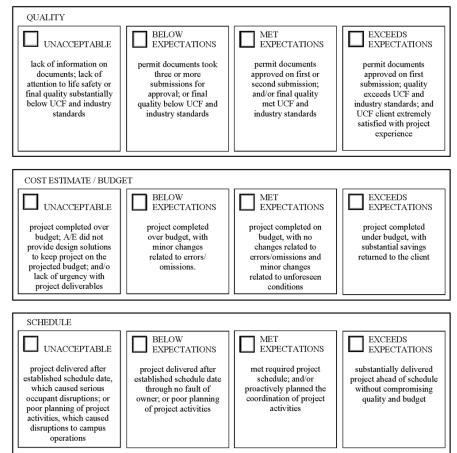


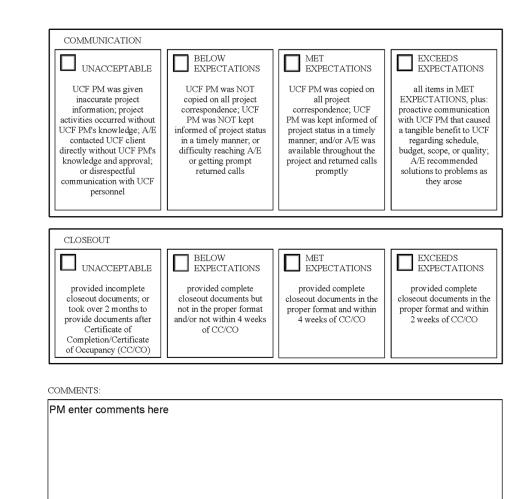
A/E EVALUATION FORM

PROJECT NUMBER:
PROJECT NAME:
PROJECT MANAGER:
DATE SUBMITTED:
VALUE OF WORK:

BUILDING NUMBER, NAME: ROOM NUMBER(S): A/E NAME:

THE FOLLOWING CRITERIA ARE RATED BY THE UCF PROJECT MANAGER. IF A RANK IS "UNACCEPTABLE," "BELOW EXPECTATIONS," OR "EXCEEDS EXPECTATIONS," THE UCF PROJECT MANAGER MUST PROVIDE AN EXPLANATION FOR THE RANKING IN THE COMMENTS SECTION ON PAGE 2.





ALL EVALUATIONS MUST BE APPROVED AND SIGNED BY THE ASSOCIATE DIRECTOR, DESIGN. ALL EVALUATIONS WITH AN "UNACCEPTABLE" WILL BE APPROVED BY THE DIRECTOR, FACILITIES PLANNING AND CONSTRUCTION. EVALUATIONS WILL BE KEPT ON FILE IN A MATRIX FOR EASY REVIEW OF PAST PERFORMANCE AND WILL BE CONSIDERED WHEN AWARDING FUTURE CONTRACTS AND WORK.

PM INITIALS: AD INITIALS:

evaluation

http://fp.ucf.edu

# inquiries?



## UCF FACILITIES PLANNING AND CONSTRUCTION

**PROFESSIONAL SERVICES ORIENTATION**