

## RFQ No. PNC2122559R1 Joint Government Center Campus (JGCC) Summary of Contractor Qualifications Submittal

A/E Qualifications Submittal Requirements		Civic Unity Partners (CUP)	Joint Government Center Partnership (JGCP)	Sonnenblick-Suffolk/Pirtle (SSP)	United Campus Partners (UCP)
<p><b>1. Ability of Professional Personnel: (Sections C, D, and E of the SF 330)</b></p> <p>Describe the qualifications and relevant experience of the Project Manager and all key staff and sub-consultants that are intended to be assigned to this project.</p>	<p>A. Provide the qualifications, relevant experience, and resumes for the A/E Consultants and of all sub-consultants key staff to be assigned to this project. Identify and provide the resumes for Principal-in-Charge, Project Manager, Programmer, Workplace Interior Designer, and BIM Manager for the prime and sub-consultants.</p>	<p>See Section E and H. for Qualifications, relevant experience, and resumes. Include Principal in Charge, Project Manager, Programmer, and BIM Manager.</p> <p>Design Architect/Architect of Record: AECOM</p> <p>Principal-in-Charge, Elisabeth A. Bernitt, ASID, LEED AP</p> <p>A/E Project Manager: Tim Blair AIA, LEED AP BD+C,</p> <p>Lead Design Principal: Ross Wimer, FAIA</p> <p>Design Principal: Michael Kerwin, AIA</p> <p>Workplace Strategy/WELL: Sarah Colandro</p> <p>BIM/VDC: Lilliana Nuh, AIA</p> <p>Community Stakeholder Engagement: Mark Blanchard</p> <p>Associate Architect/Public Space Interiors: Pininfarina Architecture</p> <p>Public Space Interior Designer: Samuele Sordi (PI)</p> <p>Associate Architect: ACAI Associates, Inc.- Associate Architect/BIM Adolfo Cotilla (AC) Principal-in-Charge</p>	<p>See Section E and H. for Qualifications, relevant experience, and resumes. Include Principal in Charge, Project Manager, Programmer, and BIM Manager.</p> <p>Design Architect JGCC Core and Shell: Jo Palma + Partners Corporation</p> <p>Lead Designer: Jose "Jo" Palma AIA, RAIC</p> <p>Project Manager: Iana Kolev AIA, LEED AP BD +C</p> <p>Architect of Record Office Tower: Fentress Architects</p> <p>Principal-in-Charge- Curtis Fentres, FAIA , RIBA</p> <p>Assistant Principal-in-Charge: Steven R. White, FAIA, LEED AP BD + C</p> <p>Project Manager John Kudrycki AIA, LEED AP BD + C</p> <p>Workplace Interior Design Lead: Michael Winters FAIA, LEED AP BD + C</p> <p>Project Manager: Charles Cannon, AIA</p> <p>Programmer/Planner: Jim Steinmann Interior Designer: Lauren Lee NCIDQ, LEED AP ID + C</p> <p>BIM Manager: Toriano Davis AIA, LEED AP BD + C</p> <p>Architect of Record CBE and Interior Designer- Bus Transit Terminal, Administration Office, and Parking Garage: Cartaya and Associates</p> <p>Design Lead: Mario Cartaya RA</p> <p>Project Manager: James Downey</p>	<p>Prime Architect-Saltz</p> <p>Principal-in-Charge Charles Michelson, AIA, ACHA, LEED AP See page 35 for license.</p> <p>Project Manager Sheff Devier AIA See page 35 for license.</p> <p>Project Architect Mary Farlander RA See page 35 for license.</p> <p>Project Architect Norman Schwartz, AIA, LEED GA See page 35 for license.</p> <p>Architect of Record: PGAL - Principal-In-Charge Ian Nestler AIA, LEED, AP See page 37-38 for license.</p> <p>Project Manager Samuel Ferreri AIA See page 37-38 for license.</p> <p>BIM Manager Angela Guthrie LEED AP BD+C See page 37-38 for license.</p> <p>Parking Garage Designer Bruno Phillips See page 37-38 for license.</p> <p>Principal QA/QC Cheryl Gajeske, AIA, RID, AP BD+C See page 37-38 for license.</p> <p>Project Architect Joby Balint AIA, NCARB, LEED AP BD+C See page 37-38 for license.</p> <p>Michelson CBE Design Architect_ Michael Graves Principal-In-Charge Thomas Rowe, AIA</p>	<p>Design Architect and Architect of record: Hellmuth, Obata &amp; Kassabaum, Inc. ("HOK")</p> <p>A/E Project Executive: Jeff Goodale AIA, ACA</p> <p>Principal-in-Charge Jonathan Rae AIA, LEED AP</p> <p>Project Manager Duncan Kirk AIA, LEED GA, NCARB</p> <p>Architect Lead: Esther Wang AIA, LEED AP, NCARB</p> <p>Design Lead: Bill Hellmuth FAIA, LEED AP BD+C</p> <p>Interior Design Lead: Karen Carvalho AIA, IIDA, NCARB, LEED GA</p> <p>Lead Programmer: Kristine Johnson IIDA, NCIDQ, LEED GA</p> <p>BIM Manager: Travon Price</p> <p>Associate Architect: Bermello Ajamil and Partners</p>

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				<p>See page 36 for license.</p> <p>Project Manager Matthew Ligas AIA, LEED, AP See page 36 for license.</p> <p>Program Executive/ Workplace Strategist / Programmer Karen Nicholas FAIA See page 36 for license.</p> <p>Lead Architectural Designer Robert Blaser AIA See page 36 for license.</p> <p>BIM Manager Listed on page 102 Angela Guthrie</p> <p>Suffolk BIM Manager Geoff Camp</p>	
Ability of Professional Personnel: Continuation-Required Roles	Workplace Interior Design	<p>Pinifarina- Public Space Technical Services: Samuele Sordi</p> <p>AECOM: Workplace designer Workplace Strategy/WELL Sarah Colandro</p>	<p>Office Tower: Fentress Architects Workplace Interior Design Lead Michael Winters FAIA, LEED AP BD+C</p>	<p>PGAL -- Interior Designer Frida Dunayer</p> <p>Brittney Ferren, RID, RA,NCIDQ,NCARB</p> <p>Saltz Michelson CBE</p> <p>Michael Graves</p> <p>Interior Designer Megan Luce, no licenses listed.</p>	Workplace Interiors: Adriana Rojas
Other Information Listed Not requested:	Structural Engineer	<p>DESIMONE Consulting Engineers Structural Engineer/Embodied Carbon: Luis Ramirez, PE</p> <p>AECOM High-Rise Structural Specialist Mostafa Elmorsi, Ph.D., PE, SE</p>	<p>Thornton Tomasetti</p> <p>Principal in-charge/Project Manager: Derek Wassink PE, RA, SI, LEED AP</p>	<p>Desimone Principal Structural Engineer William O'Donnell PE See page 39 for license.</p> <p>Structural Engineer Ahmed Olsman PE See page 39 for license.</p> <p>Structural Engineer Yamilet Penuela PE See page 39 for license.</p>	<p>DESIMONE Structural Engineer/ William O'Donnell as Principal-In-Charge Abdul Mohammad as Project Manager PE</p> <p>Associate Structural Engineer: S+F Engineering</p>

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				<p>S &amp; F Engineers, Inc. Structural Engineer/Threshold Inspector Sivananthan Sritharan PE See page 40 for license.</p> <p>Structural Engineer Madina Gilfanova See page 40 for license.</p>	
Other Information Listed Not requested:	Civil /Transportation Engineer	<p>AECOM Transportation/Transit: Carlos Garcia, PE</p> <p>CES consultants-water and wastewater 300 Engineering/Site Civil</p>	<p>Keith and Associates Engineering</p> <p>Senior Civil/Transportation: Stephen Williams, PE</p> <p>Vice President of Transportation: Lori Treviranus, PE</p> <p>Director of Traffic Engineering: Pramod Choudhary PE, PTOE</p> <p>Director of Sub-Surface Utility Engineering: Mark Mitchell</p>	<p>Kimley Horn Jason Webber PE Civil Engineer See page 44 for license.</p> <p>Jessica Lutton EI Civil Analyst</p> <p>Adrian Dabkowski PE, PTOE Traffic Engineer See page 44 for license.</p> <p>Jonathan Haigh PLA, ASLA Irrigation Design/Landscape Architect See page 44 for license.</p> <p>Jason Sheasley PG Environmental Engineer</p> <p>EAC Enrique Crooks PE Principal Civil Engineer See page 46 for license.</p> <p>Michael Adeife PE, ENV SP Chief Civil Engineer License not provided.</p> <p>Andrew Pierce PE, PMP Civil Transit Engineer See page 47 for license.</p> <p>Huntley Higgins PE, PMP Site Civil Engineer See page 47 for license.</p> <p>Herman Tirado PE Drainage Civil Engineer</p>	<p>Civil and Transit Engineer Botek Thurlow</p> <p>Parking Consultant Tim Haahs Associates</p>

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				<p>See page 47 for license.</p> <p>Shahin Shaiq PE, PMP, PTOE See page 47 for license.</p> <p>Traffic Engineer Evelyn Rodrigruez PE, ENV SP Civil Engineer See page 47 for license.</p> <p>Miguel Lockward Civil Engineer See page 47 for license.</p> <p>Botek Thurlow Engineering, Inc.  Stephen Botek PE, LEED GA Civil Engineer See page 45 for license.</p>	
Other Information Listed Not requested:	Security, Communications, Audio-Visual	AECOM Security/Low Voltage/ Risk Assessment: Maxwell Stevens	<p>Newcomb &amp; Boyd  Security Consultant David Duda PE, CPP, CSC, PSP  Audio-Visual: Kris Kuipers CTS-D, CTS-I  Communications: Igor Shvets, RCDD, LEED AP</p>	<p>EXP  Paul Hiebing EIT IT/Security/Low Voltage/CCTV No license provided.  Quantum  No job titles under Quantum that falls under Security, &amp; Low voltage.</p>	HOK Security Electronics: Tim Smith RCDD, RTPM, LEED GA
Other Information Listed Not requested:	Landscape Architect	Landscape DE	<p>Keith and Associates Engineering  Principal: Paul Weinberg PLA&lt; ASLA Director Landscape Architecture: Kelli Schueler PLA, LEED AP</p>	<p>EDSA  Kona Gray FASLA, PLA Landscape Architecture Design Advisor See page 49 for license.  Jeffrey Suiter ASLA, PLA Principal Landscape Architect See page 49 for license.  Marc Hall ASLA, PLA, CLARB Landscape Architect See page 49 for license.  Kristen Hoover ASLA Landscape Architect</p>	Curtis and Rogers

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Other Information Listed Not requested:	Mechanical, Electrical, Plumbing (MEP) Fire Protection Engineer (FP)	<p>CREDO Consulting Engineers, LLC- MEP/FP: Robert Salisbury, PE, LEED AP,</p> <p>Fire Life Safety/Code Consultant SLS Lead- Mike Sheehan.</p>	<p>Newcomb &amp; Boyd Partner-In-Charge Donny Walker PE, RCDD MEP Project Manager: Jason Conner, PE Fire Protection Engineer Andrew Stack PE, CFPS Bus Transit Terminal, Administration Offices, Parking Garages Delta G- CBE Engineer George SanJuan PE, LEED AP</p>	<p>EXP Will Pearsall PE, CDP Principal Mechanical Engineer See page 41 for license.</p> <p>Sergio Serrano PE, LEED AP Mechanical Engineer See page 41 for license.</p> <p>Mark Montantes Plumbing Engineer No license provided.</p> <p>Aaron Borges Fire Protection Engineer No license provided.</p> <p>Quantum</p> <p>Amy Champagne-Baker PE, LEED AP Electrical Engineer See page 43 for license.</p> <p>James Kappes PE Electrical Engineer See page 43 for license.</p>	<p>MEP Engineer Syska Hennessy</p> <p>Fire Life Safety/Code Consultant SLS Lead- Mike Sheehan.</p>
Other Information Listed Not requested:	Public Relations/Community Engagement Firm	AECOM and Garth Solutions	The Fentress   PALMA   Cartaya Design Team	<p>ADEPT Dana Pollitt Community Relations</p> <p>Stephanie Rosendorf-Diaz ESQ Community Outreach Liaison</p> <p>Cameus Chicoye Video Production &amp; Editing</p>	HOK and United Campus Partners team
Other Information Listed Not requested:	Resiliency, Sustainability	<p>AECOM Resilience/Sea Level Rise, Lauren Swan, MLA,</p> <p>Cummins Cederburg- Sea Level Resiliency</p>	<p>Newcomb &amp; Boyd Energy and Sustainability Manager Brendan Gardes PE, CEM</p>	<p>SEQUIL</p> <p>Jeffrey Conley LEED AP BD+C Cx Director</p> <p>Marco Burgos PE, LEED AP BD+C Energy Engineer</p> <p>Samantha Varela LEED</p>	<p>HOK Sustainability Lead: Anica Landreneau ASSOC. AIA, LEED AP BD+C, WELL AP, FITWELL, BREEAM</p> <p>Syska Hennessy Group</p>

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				AP BD+C, WELL AP Sustainability Project Consultant	
Other Information Listed Not requested:	Acoustics	AECOM Acoustics: Jim Cowan, INCE	Newcomb & Boyd Acoustical Consultant Jessica Clements INCE-USA	Siebein Associates  Gary Siebein FAIA, FASA Principal Acoustical Consultant See page 50 for license.  Marylin Roa AIA, ASA, INCE Acoustical Consultant See page 51 for license.  Hyun Paek ASA, INCE Acoustical Consultant  Keely Siebein LEED AP BD+C Acoustical Consultant See page 50 for license.	Acoustical Engineer Wave Guide Solutions
Other Information Listed Not requested:	Geotechnical and Environmental	Nutting Engineers of Florida, Inc.	LANGAN Principal In Charge Matthew Meyer PE, D. GE Geotechnical engineer: Carlos Ortiz PE Environmental Engineer Vincent Yarina PG	Stoner and Associates  James Stoner PSM Land Surveyor & Mapper See page 52 for license.	
Other Information Listed Not requested:	Sustainability: LEED, Net Zero	AECOM Net Zero/High Performance Buildings: Alastair Macgregor, CEng, LEED AP, FitWel,  Research/Development + Innovation (ILAB) Jason Vollen, Ph.D., AIA  Workplace Strategy/WELL AMBASSADOR, Oriano Merlo, IIDA, LEED ID+C, Well Ap, Fitwel ambassador  Spinnaker Group: LEED commissioning	Fentress Architects: WELL Technical Lead Kahyun Lee AIA, LEED AP BD+C, WELL, DBIA Newcomb & Boyd- Energy Sequil	Sequil  All Sequil employees have LEED certifications.  Marco Burgos PE, LEED AP BD+C Energy Engineer  Samantha Varela LEED AP BD+C, WELL AP Sustainability Project Consultant  Charles Michelson & Saltz Michelson Architects worked on the first Net Zero energy building in Broward county. See pages 57 and 87 for the project.	

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Other Information Listed Not requested:	Building Façade/Enclosure Consultant	AECOM Construction Advisor, James Karl, LEED AP BD+C, CCM CMC- Water tightness consultant	Thornton Tomasetti Protective Design Principal Peggy VanEepoel PE, FSEI	Design Architect: Michael Graves Architect of Record: PGAL	Design Architect and Architect of record: Hellmuth, Obata & Kassabaum, Inc. ("HOK")
Ability of Professional Personnel: Continuation	B. Provide the specific involvement of A/E Consultants key staff and sub-consultants in projects noted in item 3 (Past Performance) below. Identify their role and responsibilities on similar government projects.	See Section D, Page 140 through; and 92 for Organizational Chart. See Key staff experience and Qualifications, Pages 222 and 223.	See Section E, Pages 140 -through 186 indicating specific experience for key personnel of Fentress Architects and Cartaya & Associates Architects and Key Design Consultants.	See Section G, Page 102 Matrix of Key personnel Participation in example Projects.	See Pages 210 through 231 and Team Past Performance Snapshot Matrix, Page 232 indicating specific experience for key personnel Architects. Additional Information for key design consultants is located on page 297 through 318
Ability of Professional Personnel: Continuation	C. Provide an Organizational Chart for the members of the proposed Project Team.	See Section 1C. Page 143 for Organizational Chart	See Section D, Page 138, and 139 for Organizational Chart.	See Section D, Page 34 for Organizational Chart.	See Page 233 for Organizational Chart.
Ability of Professional Personnel: Continuation	D. Provide evidence of Florida Professional licensure for individuals of the (A/E) Consultants with copies of any requisite authorizations to provide services in the State of Florida.	See Section 1D, Page 192, 225, and 226.	See Pages 140 through 57 for Florida Licensure for individuals of the A/E consultants.  Note: Licensure numbers noted in resumes but evidence not provided.	All Firms and the appropriate personnel have current valid Florida business and professional licenses, which are provided in this Response in the Professional Licenses & Certifications section that follows Section D. Organizational Chart of the Proposed Team.	See Pages 234 through 243 for Florida Licensure for individuals of the A/E consultants.
Ability of Professional Personnel: Continuation  Joint Venture submittal requirements If applicable, A Joint Venture should submit satisfactory proof with its submittal that the Joint Venture, or at least one of the Joint Venture partners, shall be required to possess one of the above licenses (including any specified State registration) at the time of submittal. If not submitted with its response, the Joint Venture must submit such	E. Provide evidence of knowledge and experience with Florida Building Code, Federal and State-funded projects, and any other related state, local municipal, and jurisdictional agencies.	See Section H. -Additional Information, Page 227through 225 for evidence of knowledge and experience with Florida Building Code, Federal and State-funded projects, and any other related state, local municipal, and jurisdictional agencies  AECOM provided Case Study: Broward County Judicial Complex and other projects.	See Section H. -Additional Information, Page 242 for evidence of knowledge and experience with Florida Building Code, Federal and State-funded projects, and any other related state, local municipal, and jurisdictional agencies	Key members of our design and specialist consulting team are local and have significant relevant knowledge working with state and local agencies, including Broward County and the City of Fort Lauderdale. Our key out-of-state Design Architect Michael Graves has completed numerous projects in Florida since the early 1990s, including the Conrad in Fort Lauderdale. Graves has over a dozen recent or current federally funded projects for the General Services Administration and the Architect of the Capitol and 7 recent	See Page 244 for evidence of knowledge and experience with Florida Building Code and NFPA's Build Environment Codes and Fire Protection Systems.  SLS is the Life Safety and Code Consultant  See evidence of Federal and State funded projects on page 261 for two (2) project snapshots a federal and state and municipal funded projects.  <ul style="list-style-type: none"> <li>King County Children and Family Justice Center</li> </ul>

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<p>proof within three business days of County's written request. A Joint Venture may be deemed non-responsive for failure to comply within stated timeframes. If a Joint Venture is recommended for contract award, it must either 1) submit satisfactory proof that the Joint Venture holds the specified license (if applicable) or that a licensed contractor has qualified the Joint Venture, or 2) provide satisfactory proof it applied for the specified license (if applicable) or the licensee has applied to qualify the Joint Venture, within three business days of County's written request. The license or qualification, as applicable, in the name of the Joint Venture, must be effective prior to contract execution.</p>			<p>or current projects for the New York City School Construction Authority, in addition to work for various State universities.</p>	<p>DB, DBIA National Award - Merit – 2020 Federal / State / County / Municipal HOK and Balfour Beatty collaborated</p> <ul style="list-style-type: none"> <li>Miami Dade County Civil and Probate Courthouse-P3 DBIA National Award - Merit – 2020 Federal / State / County / Municipal HOK worked within a P3 framework with Plenary</li> </ul>	
<p>Ability of Professional Personnel: Continuation</p>	<p>F. Provide evidence of program, design, and construction of Class A high-rise commercial or government building projects accommodating over 1500 occupants and a minimum 500,000 SF area. Identify team members, their roles, and responsibilities on similar government projects.</p> <p>At a minimum, provide evidence of one (1) completed project.</p>	<p>AECOM provided several projects, Pages 228 through 234.</p> <p>Evidence of completing four (6) projects was provided – Broward County Judicial Complex. Sinar Mas Centre (formerly White Magnolia Plaza), Shanghai, China (Professional experience of Ross Wimer, Design Partner). Great Window Tower, Nanchang, Jiangxi Province, China (Professional experience of Ross Wimer, Design Partner), and Mashreq Bank Headquarters Dubai, United Arab Emirates (Professional experience of Ross Wimer, Design Partner),and Governor George Deukmejian Courthouse, Long Beach, CA (Professional experience of Samara Barend, Design Partner), and 3 Miami Central Brightline, Miami, FL (Professional experience of Elisabeth Bernitt, Michael Kerwin and Liliana Nuh, Design Partners)</p>	<p>See Section H.- Additional Information, Page 243 through 246 for information indicating specific experience on similar Class A high rise commercial of government building projects.</p> <p>Fentress Architects stated the following “has completed numerous projects meeting the criteria for Class A high-rise commercial and government buildings with the minimum occupancies and areas stipulated.”</p> <p>See chart on page 244.indicating evidence of projects meeting criteria for the Fentress, Jo Palma + Partners, and Cartaya &amp; Associate Team.</p> <p>Evidence of completing three (3) projects: the Ralph L. Carr Colorado Judicial Center, the Arraya Tower in Kuwait City, and the NATO Headquarters (Professional experience of Jo Palma as a design director while at SOM)</p>	<p>See Section F, pages 89 through 98.</p> <p>Evidence of completing one (1) project by Graves Architects is defined as follows” The Nile Corniche Mixed-Use Development, Cairo Egypt, designed &amp; detailed to international US/UK standards (Michael Graves continually involved throughout; JV with HKS produced CDs for the facades; Graves produced CDs for the interiors)”.</p>	<p>See chart on pages 245 and 246.indicating evidence of projects meeting criteria for HOK.</p> <p>Evidence of meeting a minimum, of one (1) completed project: Abu Dhabi National Oil Company (ADNOC</p>



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Ability of Professional Personnel: Continuation	G. Provide evidence of team knowledge and experience with life-safety occupancy and egress studies in complex mixed-use buildings (including horizontal exit arrangements), and of, and of rational analysis and smoke evacuation design in high-rise buildings.	See Page 235 & 247 for additional information.  The proposal stated that "AECOM will collaborate with SLS Consulting, Inc. (SLS) on the life-safety occupancy and egress studies.  Vendor stated the following: "SLS brings extensive experience with complex, mixed-use buildings where the main scope of work is reviewing compliance with fire protection and life safety code standards, including but not limited to: occupancy load and egress capacity studies, review and implementation of high-rise requirements per code, fire-resistance rating separations where necessary, implementations of horizontal exiting strategies to comply with FBC Chapter 10 and alternative method approaches for compliance in creative architectural designs."	See Section H.- Additional Information, Page 247 for information indicating specific knowledge and experience with life-safety occupancy and egress studies in complex mixed-use buildings	Section E, Page 70, resumes of key personnel for EXP consultant, Aaron Borges, Fire Protection Engineer.  Under Ability of Professional Personnel, Section 1, Item G, Page 56. it is stated that "Graves' Midtown Center and Reston Gateway in Section F (both are complex mixed-use buildings) studied smoke evacuation but avoided atrium designation (and therefore the cost of smoke evac) by providing code-compliant fire-rated glazing in several multi-story spaces, which provides visual connection without risk of smoke migration."	See Page 253 and 254 for information indicating specific knowledge and experience with life-safety occupancy and egress studies in complex mixed-use buildings  HOK stated "Life Safety and Code expert, SLS Consulting ("SLS") has completed more than 500 high-rise mixed-use projects, with a large concentration located in South Florida."
Ability of Professional Personnel: Continuation	H. Provide evidence of team knowledge and experience with IT/Low Voltage System technologies and Physical and Electronic Security systems in complex government building projects. Also include experience with Threat and Risk Assessment (TARA) for site, program, and design considerations from a security perspective	See Section H.- Additional Information, Pages 235 through 236 for information indicating team Knowledge.  IT/Low Voltage AECOM's core is an innovative and integrated approach to developing solutions for electronic security, cybersecurity, audiovisual, voice, data, converged networks, workplace solutions, Wi-Fi, in-building cellular, public safety, and user experience.  Physical and Electronic Security AECOM stated that "AECOM's security design group has deep knowledge and understanding of developing and designing highly complex, secure and effective security solutions for a wide cross section of local and federal government agencies within and outside the continental United States.  AECOM defined expert who will lead project effort related to threat and risk assessment (TARA): Max Stevens  Threat and Risk Assessment: AECOM Stated that "AECOM's staff were among the original authors who developed "Engineering Security – Protective Design for	See Section H.- Additional Information, Pages 248 through 249 for information indicating team Knowledge.  Vendor stated "A/E team has extensive experience working in large, complex government building projects, including many multi-agency facilities. In some facilities, such as the numerous federal courthouses our team has designed, the technology requirements are coordinated with the individual stakeholders such as GSA, AOUSC, FPS, FPD, and the Marshals Service."  Newcomb & Boyd is defined as the Security, Risk Assessment consultant and vendor stated the following:" Newcomb & Boyd has a breadth of experience includes security risk assessments, master planning, program development, and the design of electronic security systems for a variety of federal, state, and municipal government entities, fortune 500 clients, healthcare systems, universities, airports, and others"  Thornton Tomasetti is the protective design and operational and technical	Section E, Page 71, resumes of key personnel for EXP consultant, Paul Hiebing, EIT Engineer.IT/Security/Low Voltage	See Page 255 for information indicating team Knowledge in designing secured governmental facilities.  HOK stated that " in-house Electronic Security specialists whose focus is using electronic systems to supplement the architectural designs built-in physical security measures" and indicated how the design of the security systems has changed as a result of the pandemic including: • Touchless technology, in addition to security screening, temperature screening can now be conducted at the same time. • Video systems with temperature sensors and analytics to determine if a mask is being worn or not are being used to screen people entering civic spaces and they can be turned back before even entering if the system detects an elevated temperature. • Access control systems can also be used for contact tracing.  IT / Low Voltage: Understanding information transport systems and telecommunications systems for a state-

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		<p>High-Risk Buildings," the Unified Risk Assessment methodology used by New York's City Metropolitan Transportation Authority (MTA) and the New York Police Department (NYPD).</p> <p>Reference Case Study-Broward County Judicial Complex, Fort Lauderdale, Florida</p>	<p>systems security consultant in TT's Protective Design and Security (PDS) Practice TT provided evidence of relevant projects experience for a City Hall, County Courthouse projects, and the Washington Metropolitan Area Transit Authority (WMATA).</p>		<p>of-the-art civic building is the responsibility of HOK's in-house technology specialists.</p> <p>Distinct security approaches were provided for different projects that included:</p> <ul style="list-style-type: none"> <li>• Designing for the next pandemic</li> <li>• The use of optical turnstiles.</li> <li>• Securing the site with the use of ornamental fencing, video surveillance and emergency call stanchions</li> </ul> <p>Using video analytics to prevent people from entering secure parking while the door is up for a vehicle. The system is able to distinguish the difference between vehicles and persons, causing an alert when a person enters off the street.</p>
Ability of Professional Personnel Continuation	<p>I. Provide evidence of team knowledge and experience with the design of special public assembly areas such as chamber areas, courtrooms, etc. In addition, the responder team must include an acoustical consultant.</p>	<p>See Section H.- Additional Information, Page 149 and Page 237 for general information.</p> <p>AECOM is the Acoustical Engineer. See Jim Cowam's resume, Page 206.</p> <p>Case Study: Broward County Judicial Complex, Fort Lauderdale, Florida</p>	<p>See Section H.- Additional Information, Pages 250 and 251 for information. Fentress Architect stated that "Fentress Architects is a national leader in government building design." and that "Over the past 30 years Fentress Architects has designed hundreds of specialty chambers, hearing rooms, and courtrooms. "Fentress provided evidence of designed commissioners' Chambers for the Clark County Government Center and Chamber at The San Joaquin County Administration Building. The Newcomb &amp; Boyd acoustical consulting team stated that they have "extensive expertise in courts, federal buildings, and community buildings, honed through their experience working on 30 courts projects in the last 10 years alone.</p>	<p>A/E stated the following: "Graves' Midtown Center, Reston Gateway, and Nashville Courthouse in Section F, as well as a third office complex for the government-sponsored Financial Services Company (FSC), have special public assembly uses with state-of-the-art IT/ Audiovisual systems and acoustic treatment. These include courtrooms, conference centers, large divisible multi-purpose rooms. Other projects by the team include auditoriums. At both Midtown Center and Reston gateway, the location of these facilities on public floors necessitated horizontal exiting to minimize number of ire stairs."</p>	<p>See Pages 258 and 259 for knowledge and experience.</p> <p>UCP stated that HOK's experience includes a "detailed library of best-practices which has been compiled from their design of over 100 award-winning courthouses."</p> <p>UCP's Acoustical Consultant is Waveguide -with experience "in the design of civic meeting venues, auditoria, lecture halls, boardrooms, and large town hall meeting spaces. Waveguide is very familiar with the US GSA acoustical standards for federal buildings having been involved in the Los Angeles Federal Courthouse design-build competition.</p>
Ability of Professional Personnel Continuation	<p>J. Provide evidence of experience in Design-Build or Integrated Project Delivery (IPD).</p>	<p>See Section H.- Additional Information, Page 237 for information.</p> <p>AECOM stated the following: "AECOM has extensive experience in leading projects involving alternative delivery methods for public and private sector clients. They have been managing design-build (DB), CM-at-risk (CMAR) and public-private partnership (P3) projects for more than 20 years, including the first civic building in the United States delivered through an availability payment-based P3. "</p>	<p>See Section H.- Additional Information, Item 1. Page 252 for information.</p> <p>A/E team stated the following information-</p> <p>Fentress Architects   64 Projects   \$6.2 billion Construction Value   51 with Hensel Phelps</p> <p>PALMA   1 Project   \$208 million Construction Value</p>	<p>Key personnel resumes, pages 59 through 61 indicate Michael Graves' Team experience in Design-Build Projects. Stated projects for Michael Graves Architecture and Design include the following D/B projects:</p> <p>Granite Park VII, Financial Services Company Operational Hub, Plano, TX</p>	<p>See page 260 for information as well a list of Design-Build Projects on pages 263 through 265.</p> <p>UCP Stated the following: "HOK is one the world's leading designers of large, complex projects. HOK has executed well over 100 projects using the design-build, P3 or IPD process, and is actively involved in more today. They have extensive experience in all facets of these projects as well, from delivery</p>

## RFQ No. PNC2122559R1 Joint Government Center Campus (JGCC) Summary of Contractor Qualifications Submittal

A/E Qualifications Submittal Requirements		Civic Unity Partners (CUP)	Joint Government Center Partnership (JGCP)	Sonnenblick-Suffolk/Pirtle (SSP)	United Campus Partners (UCP)
		<p>Additional details on the A/E Team's design-build and integrated delivery experience have been included in Section H-4-E, Page 224.</p> <p>CASE STUDY: Governor George Deukmejian Courthouse</p>	<p>Cartaya Architects CBE   32 Projects   \$419 million Construction Value</p> <p>Thornton Tomasetti   390 Projects   \$18 Billion Construction Value</p> <p>Newcomb &amp; Boyd   230 Projects   \$10 Billion Construction Value</p> <p>Fentress stated that "Several members of the firm hold the coveted DBIA certification as Fentress continues to be a proven leader in the Design-Build industry, providing Design Excellence in Design-Build on time and budget".</p>	<p>Midtown Center, Financial Services Company Headquarters, Washington, DC</p> <p>Fred D. Thompson U.S. Courthouse &amp; Federal Office Building, Nashville, TN (Michael Graves acted as bridging architect)</p>	<p>method analysis and advisory to criteria document development, planning, programming, designing, and construction administration."</p> <p>HOK Architects   100+ Projects   18 Million SF  \$ 4 billion in the past 3 years  12 DBIA Awards in the last 7 years.</p> <p>Members of this team recently collaborated on three Design-Build /P3 government projects: Miami-Dade County Civil and Probate Courthouse, Howard County Courthouse and the Design-Build King County Children and Family Justice Center.</p>
<p><b>2. Specialized Experience, Knowledge, and Capabilities (LEED and BIM Experience and Knowledge): (Sections E and F of the SF 330) ...</b></p>	<p>A. Leadership in Energy and Environmental Design (LEED) Experience and Knowledge – the JGCC Design Criteria Package identifies design criteria to meet LEED Silver rating (United States Green Building Council Leadership in Energy and Environmental Design). However, the project goal is to attain LEED Gold certification, at a minimum. The design intent is also to develop a Net-Zero Energy building complex inclusive of WELL Building features and criteria. LEED Platinum certification is anticipated if Net Zero Energy design is implemented. Describe LEED experience and knowledge, list current and past projects (including certification level) and credentials of your LEED accredited professionals on the Project Team. Identify how the team will address energy modeling methodologies in relation to site, massing analysis, and building design in order to meet LEED energy modeling and commissioning requirements.</p>	<p>See section H, Item 2. Special Experience, Knowledge, and Capabilities. Page 238 and Page 240.</p> <p>AECOM stated the following: "AECOM possesses a mastery of the U.S. Green Building Council (USGBC) rating system and certification procedures, developed through their design of LEED-certified buildings, their strong relationship cultivated with the USGBC as LEED reviewers, and their LEED project management experience for various program types.</p> <p>AECOM stated that they have "more than 800 LEED accredited professionals, 300 certified projects (with over 50% as Gold or Platinum) and are ranked by Engineering News-Record as one of the nation's top Green Design Firms.</p> <p>At the national level, in 2008, AECOM received the USGBC's Leadership Award for their research work in sustainability.</p> <p>For LEED Accredited professional information, see page 240 and page 154.</p> <p>CASE STUDY: Broward County Courthouse Fort Lauderdale, Florida. LEED Gold certified project.</p>	<p>See section H, Item 2. Special Experience, Knowledge, and Capabilities. Pages 253 through 255</p> <p>LEED experience and knowledge</p> <p>Fentress Architects: Platinum, 25 Gold, 19 Silver, 10 Certified</p> <p>PALMA: 2 Platinum, 4 Gold, 1 Silver</p> <p>Cartaya Architects CBE: 2 Platinum, 1 Gold, 1 Certified</p> <p>Thornton Tomasetti: 117 Platinum, 379 Gold, 238 Silver</p> <p>Newcomb &amp; Boyd: 6 Platinum, 59 Gold, 41 Silver, 10 Certified</p> <p>Fentress Architects stated that "The firm's licensed architects include over 40 LEED APs with broad experience in innovating and implementing sustainable strategies, as well as collaborating with nationally recognized experts in this field."</p> <p>Information on how the team will address energy modeling methodologies in the project is provided on page 254.</p>	<p>LEED experience and knowledge "Our entire team has hundreds of LEED-certified building and over 100 LEED Accredited Professionals.</p> <p>The Michael Graves team, Exp and SEQUIL Systems key personnel resumes with LEED experience, page 59 through page 86.</p> <p>It is stated on page 87-"Team always utilizes the most current version of LEED Graves' Reston Gateway utilized LEED."</p> <p>No specific information on energy modeling methodologies were identified only key personnel in Section E, Page 69, EXP Consultant, Amy Pastor, PE, LEED AP BD+C, CxA, key personnel for Commissioning &amp; LEED Manager.</p>	<p>See section C2. Specialized Experience, Knowledge, and Capabilities. Pages 267</p> <p>HOK's stated that " With an extensive history of sustainable design leadership and LEED project experience, HOK has certified over 120.6 million square feet of LEED project space, including 39 Platinum, 155 Gold, 102 Silver, and 41 Certified projects. Additionally, HOK has certified 10 WELL Building projects totaling over 565,000 square feet and pre-certified another active 280,000 square feet project that is tracking WELL Platinum level certification. "</p> <p>HOK's Sustainability Lead, Anica Landreneau, leads HOK's global sustainable design practice. She "also serves on the national USGBC LEED Advisory Committee, a position which allows her to help guide the future of LEED and stay abreast of relevant changes in the evolving rating system guidelines and policies."</p> <p>Syska Hennessy Group works with government agencies under public-private partnership (P3), design-build, and integrated project delivery ("IPD") contracts, recently delivering the following high-performance LEED Gold Buildings:</p>

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					<ul style="list-style-type: none"> <li>Governor George Deukmejian Courthouse in Long Beach, California</li> <li>US EPA's Region 8 headquarters in Denver, Colorado</li> </ul> <p>The Benjamin P. Grogan and Jerry L. Dove Federal Building in Miramar, Florida.</p> <p>Energy modeling methodologies are identified on Page 269 and 270, under "Interactive Energy Modeling, Integrated Solutions and Energy Modeling Methodologies".</p>
2. Specialized Experience, Knowledge, and Capabilities (Continuation)	B. Provide evidence of experience working with LEED Version 4.1 or the latest available version for Building Design and Construction (BD+C). Provide evidence of experience working with independent Commissioning Agents.	<p>See LEED Version 4.1 or latest in section H, Page 239 and 240.</p> <p>Spinnaker Group is the LEED Consultant for the AECOM team. They are working with the current LEED Building Design + Construction (BD+C) rating system standard version 4 on numerous projects and have been using the beta version 4.1 to upgrade specific LEED credits that would benefit this project.</p> <p>Spinnaker's team listed many projects that have been certified or currently in design for LEED BD+C version 4 projects.</p> <p>AECOM selected independent commissioning agent is Spinnaker Group and provided evidence of recent projects that have included building commissioning services.</p> <p>Note: no specific evidence of LEED Version 4.1 projects specified.</p>	<p>See evidence of LEED Version 4.1 or latest in section H, Page 255.</p> <p>Fentress Architects stated that the firm "has completed two (2) LEED v4 projects that included replacing multiple Credits with their respective v4.1 rendition, as allowed by the USGBC. Our office is working on six more active projects using a hybrid of v4 and v4.1 Credits."</p> <p>Fentress Director of Sustainability Deborah Lucking, FAIA, LEED AP BD+C is stated to be "a LEED Expert on v4 and v4.1 for LEED use."</p> <p>Sub-consultant Newcomb &amp; Boyd has been a part of ten (10) projects that have pursued v4 with credit substitutions to v4.1 where it has made sense for specific projects.</p> <p>See page 255 which stated that Fentress Architects "has assisted in the pre-qualification, vetting, and appointment of CxAs. We also have experience with contracting CxAs to our firm."</p>	<p>Experience with LEED Version 4.1 or latest, Sonnenblick stated the following: "Except as required by our clients (e.g., if they follow a different rating system), our Team always utilizes the most current version of LEED Graves' Reston Gateway utilized LEED 4.1. Using independent Commissioning Agents is a best practice because of its objectivity. The projects shown typically used third party commissioning."</p>	<p>See evidence of LEED Version 4.1 or latest in section 2C. Page 271 and page 272.</p> <p>UCP's states that "Sustainability Designer, Anica Landreneau, and her team, have hands-on experience managing over 35 LEED v4 projects, including BD+C, IC+D, and O+M, all of which utilize LEED v4.1 pilot credit alternative compliance paths."UCP also stated that HOK "has developed custom v4.1 specification language and submittal coversheets to further educate the contractor and sub-contractor teams during the construction phase.</p> <p>UCP Stated that "HOK also has extensive experience working with independent Commissioning Agents (CxAs) on both LEED and non-LEED projects. For LEED projects, HOK ensures that the CxAs are engaged early in design to provide oversight"</p> <p>Reference Project: Howard County Circuit Courthouse-P3</p>
Specialized Experience, Knowledge, and Capabilities (Continuation)	C. Provide evidence of knowledge and experience addressing resiliency in the design of similar buildings and landscapes in scope and scale and located in the South Florida region to respond to natural and man-made disasters	See evidence of knowledge and experience addressing resiliency in the design of similar buildings and landscapes, in section H, Page 240 and 241.	See evidence of knowledge and experience addressing resiliency in the design of similar buildings and landscapes, in section H, Page 256 and 257.	<p>See Section H, Page 87 for more information.</p> <p>Team states: "Our local architects, landscape architects, and engineers are fully aware of South Florida's environmental challenges..."</p>	See evidence of knowledge and experience addressing resiliency in the design of similar buildings and landscapes, in section 2C, Page 273 and COVID-19 and Pandemic Design and Operations, page 274 through 276.

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	and disturbances—as well as long term changes resulting from climate change including high winds and tropical storms, sea level rise; flooding and stormwater management; tidal flooding; storm surge; future rainfall and groundwater elevations for finished floor elevations; etc.	<p>Provided two (2) projects in South Florida addressing resiliency strategies achieved as well as Non-Physical Strategies: Broward County Courthouse Fort Lauderdale, Fort Lauderdale Police Headquarters: Sea for Level Rise Assessment</p> <p>Defined Resiliency Expert: Lauren Swan has worked in both public and private sectors with expertise in facilitation, design, and strategic planning. Her background combined with her understanding of Comprehensive Code and the Unified Facilities Criteria will enable her to develop creative and resilient solutions to technical problems.</p>	<p>Fentress architects provided two (2) projects in South Florida addressing a high level of resiliency for the buildings and their users.</p> <p>The Miami Beach Convention Center</p> <p>The Broward County Convention Center</p> <p>Cartaya Architects experience on storm and hurricane resistance, sea-level rise, tidal flooding and storm surge, and man-made disaster.</p> <p>City of Miramar Police Headquarters- bomb blast-proof and bullet-proof building.</p>	<p>We have developed various techniques and design strategies to improve the resiliency of buildings and</p> <p>landscape to combat rising sea levels and response to storms.”</p> <p>Team’s Project experience on resiliency.</p> <p>Brightline trains</p> <p>Coastal &amp; Storm surge resiliency, see Section H, Page 98 for more information.</p> <p>Midtown Center, Financial Services Company Headquarters, Washington, D. on page 92. N+1 Resiliency was provided.</p>	<p>HOK stated the following” Potential design solutions will be holistically coordinated across Civil, MEP, Code/Fire/Life Safety, Structural and IT disciplines. HOK will also lead and facilitate the team’s strategy for how campus, site and building design will support clear emergency response and evacuation of buildings and site.”</p> <p>Natural disasters include COVID-19 and Pandemic Design and Operations needs stating that “HOK has teamed with subject matter experts in our MEP, Healthcare, Science + Technology, and Low Voltage Engineering groups to help define the new normal for civic facilities to efficiently and effectively bring back certainty to the public and staff in our government buildings.”</p> <p>Reference Project: Royal Caribbean Cruises Ltd.’s employees in Miami.</p>
Specialized Experience, Knowledge, and Capabilities (Continuation)	D. The design intent is to develop a Net-Zero Energy building complex. Describe relevant experience and include knowledge of Net-Zero performance standards, energy strategies, and applications for all building components.	<p>See evidence of Net -Zero Energy building complex in section 2D. Page 242 and 243.</p> <p>Reference Project- Inglewood Basketball and Entertainment Center Designed for Environmental Performance With California’s increasing energy performance requirements, performance-based design is the name of the game. AECOM’s high-performance building design incorporates key strategies for energy conservation, building form, lighting, mechanical (heating and cooling) and landscaping to achieve stringent California Energy Commission Net Zero requirements and a minimum LEED Gold certification with a high level of performance for energy optimization.</p>	<p>See evidence of Net-Zero Energy building complex in section H, Page 258.</p> <p>Fentress Architects’ Contra Costa Administration Building in Martinez, California is a recent LEED v4, Net Zero Energy (NZE) Building, completed in July 2020.</p>	<p>See evidence of Net -Zero Energy building complex in page 87</p> <p>Net Zero projects new Transit Center at the Lauderhill Mall, see page 89.</p>	<p>See evidence of Net -Zero Energy building complex in section 2C, Page 277.</p> <p>UCP team will work closely with MEP Engineer Syska Hennessy and follow a series of steps in Design and Operations in order to achieve Net Zero Energy Building.</p> <p>Net Zero Certified Projects:</p> <ul style="list-style-type: none"> <li>County of San Diego North Coastal Live Well Health Center, San Diego, CA</li> <li>Makers Quarter Block D, San Diego, CA</li> <li>Palomar Community College, Operations &amp; Maintenance Complex, San Marcos, CA</li> <li>Southwestern College, Autotech Building, Chula Vista, CA</li> </ul> <p>Southwestern College, IT Building, Chula Vista, CA</p>

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Specialized Experience, Knowledge, and Capabilities (Continuation)	E. Describe relevant experience and include knowledge of WELL Building principles and methodologies.	<p>See evidence of knowledge of WELL building principles in Section H, Pages 244 -245.</p> <p>AECOM stated the following : AECOM has a wealth of experience with health and wellbeing solutions in their commercial office projects, including:</p> <p>AECOM 1 Cal Plaza, WELL Consulting: AECOM is currently pursuing WELL certification in its Los Angeles offices.</p> <p>Beijing Luneng, Diaoyutai, WELL Consulting - Circadian Lighting Design:</p> <p>WELL Confidential Commercial Interiors Fit-out, London, UK - WELL Consulting: AECOM is currently working on a confidential WELL building assessment of a fit-out project in London.</p> <p>AECOM is currently pursuing WELL certification on its Denver and Cleveland offices.</p>	<p>See evidence of knowledge of WELL building principles in Section H, Page 259.</p> <p>Fentress Architects stated that the firm "has several WELL Accredited Professionals (WELL APs) and is currently working on six (6) LEED projects that have incorporated WELL measures, using the LEED-WELL crosswalk that identifies credits and measures that span both rating systems.</p>	<p>Michael Graves has utilized WELL Building Institute principles on workplace projects such as Midtown Center, Reston Gateway, and other projects whether or not the client chooses certification. Seven principles focus on environmental attributes (e.g., air, water, nourishment, light, fitness, comfort, and mind) that affect the design and the operations of the physical environment, including owner policies, and influence user experience.</p> <p>Graves' projects emphasize air and water quality, natural light, stairs that encourage movement, staff pantries, etc. Graves is a member of the WELL Building Institute's COVID-19 Task Force."</p>	<p>See evidence of knowledge of WELL building principles in Section 2C, Page 280 through 283.</p> <p>HOK + Delos Partnership: WELL AP Program UCP stated the following:" Delos, a wellness real estate and technology firm, partnered with HOK to accelerate the organization's mission to integrate health and wellness into the built environment."</p> <p>A WELL AP Project Approach was described. On pages 282 and 283.</p> <p>HOK WELL :11 certified and 30+ seeking certification.</p> <p>Project reference: USF Health Morsani College of Medicine, Tampa</p>
Specialized Experience, Knowledge, and Capabilities (Continuation)	F. Provide evidence of projects with mechanical systems that provide for enhanced air exchange and air compartmentalization within tenant spaces in the facility.	<p>See evidence addressing item F, Pages 245-247.</p> <p>AECOM understands the issues and technologies required and has relevant experience with pathogen control in the healthcare and research laboratory market, as well as other market sectors.</p> <p>Example projects were included in the submittal.</p>	<p>See evidence addressing item F, Page 260.</p> <p>Fentress referenced "one specific project which provides 30% greater ventilation than code minimum "- The Navy Federal Credit Unit Headquarters Complex" and 2 projects that "deploy increased air exchanges and compartmentalization" Raleigh Central Prison Hospital and GT Engineered Biosystems Building.</p>	<p>Developer states the following: "Medical design is one of SMA's areas of expertise. As Principal-In-Charge of the firm's healthcare projects, Charles Michelson is board certified by the American College of Healthcare Architects (ACHA). As such, the firm is well versed in the requirements of designing sophisticated mechanical systems for air exchanges, compartmentalization, pressurization, air quality, filtration, and a wide variety of other specific healthcare needs"</p> <p>"SMA's specific healthcare experience lends itself to more sophisticated air quality design and control. Their experience with the compartmentalization of infectious disease within hospitals will facilitate addressing the needs of this public facility and its occupants"</p>	<p>See evidence addressing item F in Section 2C, Page 284.</p> <p>Syska consultant "has been committed to the advancement of building system designs and has been researching to develop a cohesive and data-driven MEP engineering response to the current pandemic and to an overall improved indoor air quality ("IAQ") strategy".</p> <p>Reference Project: Confidential Financial Client Corporate HQ project in NY, NY.</p> <p>Evidence of Project with Enhanced Mechanical Systems:</p> <ul style="list-style-type: none"> <li>North Central Bronx Hospital - ICU Bed Conversion for COVID-19 Patients, Bronx, NY</li> <li>John Muir Health, Advance Urgent Care – Room conversion</li> </ul>

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					to negative isolation rooms, Brentwood, CA New Hanover Regional Medical Center Intensive Care Unit – COVID-19 Negative Pressure Conversion Project, Wilmington, NC
Specialized Experience, Knowledge, and Capabilities (Continuation)	G. BIM Capabilities and Experience: Describe your firm's specific experience in the utilization of Building Information Modeling (BIM) software during all phases of design and construction including visualization, scheduling, clash detection, interference management, and COBie software. Describe the team's experience in generative and parametric programmatic modeling. Identify your office's predominating BIM software platform and supporting software	<p>See evidence of knowledge of BIM Capabilities and Experience in Section H, Pages 248 and COBie on page 249.</p> <p>The A/E Team provides very clear information on the use of BIM : Early in the design phase of the project, to determine accurate and timely costs based on the long-term life cycle cost implications of various design decisions; Prior to construction; During project closeout; and Throughout the operations period -to be able to use the BIM system to track and manage the JGCC with an inventory of all building equipment, maintenance schedule, replacement, life-cycle, and other relevant information.</p> <p>The A/E Team will collaborate with client and contractor to develop the project BIM execution plan with well-defined project workflow, BIM key contacts, BIM roles, team responsibilities, modeling scope, model structure, LOD matrix, collaboration procedures, project deliverables, and facility data requirements.</p> <p>Clash detection Case Study: Dadeland South Intermodal Station.</p>	<p>See evidence of knowledge of BIM Capabilities and Experience in Section H, Pages 261 and 262.</p> <p>Fentress   PALMA   Cartaya team stated that the team uses Revit software as their BIM platform in the production of projects and real-time coordination with engineers Using BIM (Revit) on BIM360, Autodesk's collaborative cloud-based platform.</p> <p>Fentress Architects stated the following "To date, Fentress Architects has d livered Revit projects totaling more than 15 million square feet with a total construction value of over \$12 billion.</p> <p>See team's evidence of utilizing early design visualization and methodologies of coordinating other energy modeling tools to perform initial building analytics that inform the building design process and how this information will be utilized in the compilation of data for the COBie deliverable once Hensel Phelps issues product data during construction.</p> <p>Dedicated Lead BIM Manage Toriano Davis, AIA He has over 26 years of experience in the profession, 13 of which he has been working with Building Information Modeling (BIM).</p>	<p>BIM Capabilities &amp; Experiences: Team states the following: "as part of our commitment to quality we will use Building Information Modeling (BIM) throughout the project. All team members are proficient in BIM and committed to work on a coordinated platform..."</p> <p>BIM model is developed and managed by the architect and engineer for the design.</p> <p>A/E team BIM models and clash detection software such as Navisworks and others used by contractors are used to work in parallel. Our team prefers the collaborative approach of true partnerships such as Design-Build and IPD to utilize the same platforms and work together throughout all phases."</p> <p>BIM Evidence of use of plugins such as clash detection, COBie, and so forth: See page 151 for developers' experience in BIM approach. Page 169 Suffolk states, "they use BIM on all of their projects." See Page 88 "Charles Michelson and Sheff Devier of SMA were the architects/ designers responsible for Broward County's very first BIM</p>	<p>See evidence of knowledge of BIM Capabilities and Experience in Section 2C, Page 286 through 289.</p> <p>The UCP team recognizes the value, quality, and efficiencies BIM provides to the design and construction.</p> <p>HOK Virtual Reality APP In 2018, HOK's Design Technology Group released the firm's first mobile app. HOK Virtual Reality ("VR") allows users to view project renderings in one of two 360-degree experiences—either in a panoramic view on their phones or by placing their phones in a headset such as Google Cardboard.</p> <p>See team's evidence of utilizing:</p> <ul style="list-style-type: none"> <li>• Building Information Modeling</li> <li>• Parametric Modeling</li> <li>• Experience</li> <li>• Virtual Reality Engine</li> <li>• Integrating BIM with Pedestrian Simulation</li> <li>• Facility Data Requirements &amp; COBie</li> </ul> <p>A Model for BIM DC Consolidated Forensics Laboratory.</p> <p>AIA - Technology in Architectural Practice BIM Award</p> <p>AIA DC - Presidential Citation for Sustainability</p> <p>See page 120, Wade Martin, BIM/VDC Manager's experience with COBie. See pages 148-149 "The United Campus Partners ("UCP") team is very familiar with Construction, Operations, and Building Information Exchange</p>

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				project – the Broward Addiction Recovery Center (BARC). This project required visualization, scheduling, clash detection and interference management using Navisworks with COBie. Completed in 2018, this facility achieved LEED Gold certification and was awarded the 2020 Innovative Project of the Year: New Construction – Public Safety Award by USGBC South Florida.”	("COBie"), which is being utilized by Broward County on the Broward County Convention Center and Hotel project.”
Specialized Experience, Knowledge, and Capabilities (Continuation)	H. Describe your team’s overall project goals and objectives for Virtual Design & Construction (VDC) deployment on the project. Describe how VDC and model use will assist the project team.	See evidence of knowledge of VDC employment on the project, in Section H, Page 249.  The A/E Team stated that “team will utilize Virtual Design to improve coordination meetings during design and construction phases, reducing coordination time and integrating all virtual models to achieve this goal.”  It also states that it can be used “for future building operations and maintenance”.	See evidence of knowledge of VDC employment on the project, in Section H, Page 263.  Fentress Architects and Hensel Phelps use of Virtual Design and Construction (VDC) in conjunction with BIM technology is explained.	Suffolk Construction Team explains the overall project goals and objectives for VDC on page 151. See BIM /VDC Manager resume, Geoff Came, page 143  See Suffolk Construction past performance vendor reference for VDC performance, page 170.	See evidence of knowledge of VDC employment on the project, in Section 2C Pages 290 and 291.  The HOK team is very familiar with COBie or Construction, Operations, and Building Information exchange, which is the platform used by the Sponsor.  BIM to FIM Process- Depicted in graphic format.  HOK stated that they “will work alongside Balfour Beatty to formulate the best plan based on previous experience and the tools needed to succeed.”
Specialized Experience, Knowledge, and Capabilities (Continuation)	I. Describe how models and model data will be compiled, reviewed, and managed.	See evidence in Section H, Page 264.  BIM models will be set up using BIM 360 Autodesk cloud. The A/E Team has full capabilities to use this cloud environment. It is stated that the “A/E Team has full capabilities to use this cloud environment. All AECOM models will be set up in real-time collaboration in BIM 360. They will use either BIM Glue or Navisworks for Clash detection as required and at major submittal deadlines. Revit models folders/data organization will be written on the BIM execution plan and the team will follow these guidelines. AECOM’s BIM Manager will QA/QC the Revit models at major deadlines for model validation, information accuracy, BIM standards,	See evidence in Section H, Page 264.  Hosting and sharing of the models and the model data is optimized in a shared collaboration platform such as Autodesk Construction Cloud (ACC)(formally BIM 360).  Fentress Architects and Hensel Phelps stated that “To ensure the implementation and execution of the BIM is collaborative and integrated into the overall success of the project, will rely on the BIM Execution Plan (BIMxP).” and that “All stakeholders involved in the design, construction, commissioning, and facility management who will be using BIM or are contractually	See page 88. Team stated the following: “Our BIM strategy starts with a BIM execution plan developed with all the stakeholders to consider possible uses for the model.” Varying information may be required at different times, so mapping benchmarks is important to meet deadlines. Afterward, data is gathered from client user groups in order to drive building geometry and relationships  Suffolk explains how the models and model data will be compiled on pages 151-152.	See evidence in Section 2C, Page 292.  HOK stated that “Every project model is started with a standardized template that is based on the culmination of over 10 years of expert BIM experience.”  <u>Project Model Audits</u> It is defined as a review process that is described as “In addition to real-time monitoring of BIM performance, design models are audited by our Design Technology experts at regular intervals throughout the project lifecycle to ensure compliance with HOK standards and our client’s data requirements.”



## RFQ No. PNC2122559R1 Joint Government Center Campus (JGCC) Summary of Contractor Qualifications Submittal

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		parametric data input, and other requirements.”	obligated to deliver model content, must be involved in the creation of and clearly understand the BIMxP requirements. The plan explains the criteria for the BIM deliverables and management of the model data from design completion, Issue for Construction (IFC) through the project close-out, and warranty, including the specified criteria for facility management data “		The following management tools are utilized to review models and data:  <u>Clash Detection / 3D Coordination</u> Clash detection / 3D Coordination is conducted as a recurring process throughout the design phases at increasing levels of specificity.  Models and the data included within the models is routinely reviewed and managed via corporate standards and confirmed against project-specific criteria outlined in the BIM Execution Plan.
<p><b>3. Past Performance: (Section F of the SF 330)</b> Describe A/E Consultants experience on projects of similar nature, scope and duration, along with evidence of satisfactory completion, both on time and within budget, for the past 10 years.</p> <p>A/E Consultants should provide references for a minimum of three projects listed in A-F to show evidence of qualifications and previous experience. Refer to Vendor Reference Verification Form and submit as instructed. Only provide references for non-Broward County Board of County Commissioners (County) and non-City of Fort Lauderdale (City) contracts. For County and City contracts, the Unified Direct Procurement Authority (UDPA) will review performance evaluations in its database for vendors with previous or current contracts with the Sponsors. The Sponsors will consider references and performance evaluations in the evaluation of A/E Consultants' past performance.</p>	<p>A. The selected professional consulting Architect-led team shall possess extensive experience in planning, design, and construction administration of cutting-edge next-generation civic and government facilities or other similar complex facilities in the United States, including but not limited to needs assessment, forecasting, programming, planning, design, and project management.</p>	<p>See Section F. Pages 250 through 254 for AECOM project experience.</p> <p><u>AECOM Unique Special Toolkits:</u> Cutting-Edge Solutions- AECOM's Technology Solutions Group. Integrated Research Development + Innovation Framework within a Global Multidisciplinary Practice (iLAB) Façade Engineering Team Optimizing Embodied Carbon in Structures and Façades Parametric Modeling</p> <p>Case Studies: Wujiaba Greenland Headquarters, Kunming, China Senate Building, Manila, Philippines</p> <p>United States Case Studies:  National Geo-Spatial Campus in Bethesda, Maryland. Joint Courts Complex for Pima County and City of Tucson, Arizona</p> <p>See page 270 for Integrating Needs assessment. Programming and design Criteria package.</p> <p>Case Study provided: Joint Courts Complex for Pima County and City of Tucson, Arizona.</p>	<p>See Section F.on page 187 for example matrix of The Fentress, Palma , Cartaya Design Team project experience.</p> <p>See the chart that includes similar nature and scope facilities with the relevancies of each project to the Joint Government Center Campus, on Pages 230 through 232, in Section F.</p> <p>Specific Vendor reference forms are on Pages 271 through 290.</p> <p>Ralph L. Carr Colorado Judicial Center, Johnson County Courthouse Russell-Knox Office Building Military Department Investigative Agencies Headquarters Building Clark County Government Center R3 Towers Pembroke Pines City Center Miramar Town Center City Hall /Police Headquarters</p> <p>Additional projects can be found in Section E on the individual resumes.</p> <p>See Section H.on page 243 for evidence of needs assessment, forecasting, programming, planning, design, and project management projects.</p>	<p>Although not directly addressed, see specific vendors reference projects for Michael Graves:</p> <p>Reston Gateway financial services company technology Hub. This project is described by Graves as follows” commenced with programming and a stay/go analysis that decided on relocating to an unbuilt urban site vs renovating or consolidating 5 locations in Northern VA.”</p> <p>Midtown Center, Financial Services Company Headquarters. Included in project description “ comprehensive programming and stay/go analysis of 5 existing buildings, which recommended moving to an undeveloped urban site that Graves helped select. The program description also states that “Graves was also the Programmer/Planner, Interior Designer, and Architect-of-Record for the workplace interiors for numerous departments with disparate spatial, operational, and technological needs”.</p> <p>Fred D. Thompson U.S. Courthouse and Federal Building</p>	<p>See Section C3.on page 296 UCP's Design Team project experience.</p> <p>See chart that includes similar nature and scope facilities with the relevancies of each project to the Joint Government Center Campus, on Pages 296 through 318.</p> <p>The following projects illustrate HOK's Next Generation Civic and Government Facilities:</p> <ul style="list-style-type: none"> <li>• Miami-Dade County Probate and Civil Courthouse Miami, FL</li> <li>• Judge Seymour Gelber and Judge William E. Gladstone Miami-Dade Children's Courthouse Miami, FL</li> <li>• Howard County Circuit Courthouse Columbia, MD</li> <li>• Indianapolis-Marion County Community Justice Center</li> <li>• Indianapolis, IN</li> <li>• San Francisco Public Safety Campus</li> </ul>

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				<p>Nashville, Tennessee . Project is described as “Bridging-Design-Build project for the General Services Administration (GSA), has been praised as a “best example” of delivering a complex government office building on budget within Design Excellence criteria “.</p> <p>Projects pages can be found on pages 91 and 92.</p>	
Past Performance Continuation	<p>B. Describe A/E Consultants’ experience on projects of similar nature, scope, and duration, along with evidence of satisfactory completion, both on time and within budget, for the past ten years. Describe the firm’s experience with high-rise building projects that are critical, strategic high-performance buildings or buildings located within an urban district and of similar nature, scope, and duration along with evidence of satisfactory completion, both on time and within budget. Identify which projects were completed on a phased basis.</p>	<p>See Section F., Pages through 216 Architecture Design Team project experience. See page 217 for personnel participation in example projects.</p> <p>AECOM Technical Services, Inc. Great Window Tower, Nanchang, Jiangxi Province, China *</p> <p>Sinar Mas Centre (formerly White Magnolia Plaza) Shanghai, China*</p> <p>Broward County Judicial Complex Fort Lauderdale, FL</p> <p>Inglewood Basketball and Entertainment Center Inglewood, California</p> <p>Governor George Deukmejian Courthouse Long Beach, CA</p> <p>Mashreq Bank Headquarters Dubai, United Arab Emirates</p> <p>Miami Intermodal Center (MIC) Central Station Miami, Florida</p> <p>3 MiamiCentral Brightline Miami, Florida</p> <p>AECOM and Pininfarina Architecture /Interior Design</p> <p>Istanbul International Air Traffic Control Tower Istanbul, Turkey</p>	<p>See Section F.on page 187 for example matrix of The Fentress, Palma], Cartaya Design Team project experience. See pages 189 through 227 for specific project information.</p> <p>Fentress reference projects:</p> <ul style="list-style-type: none"> <li>Ralph L. Carr Colorado Judicial Center, Denver, CO</li> <li>Johnson County, Courthouse, Olathe, KS</li> <li>Miami Beach Convention Center, Miami Beach, FL</li> <li>FA Dubai Mixed-Use Project, Dubai, UAE</li> </ul> <p>Palma Global reference projects:</p> <ul style="list-style-type: none"> <li>NATO Headquarters Brussels, Belgium *</li> <li>SSA National Support Center, Urbana, MD</li> <li>Manulife Place, Calgary, Alberta</li> <li>Cayan Tower,Dubai, UAE</li> </ul> <p>Cartaya Architects CBE reference projects:</p> <ul style="list-style-type: none"> <li>Miramar City Hall and Police Headquarters, Miramar, FL</li> <li>CA Pembroke Pines City Hall, Pembroke, FL</li> </ul>	<p>See project F, pages 92, 94, and 96.</p> <p>Michael Graves Architects</p> <p>Graves Architects’ projects is defined as follows” The Nile Corniche Mixed-Use Development, Cairo Egypt, designed &amp; detailed to international US/UK standards (Michael Graves continually involved throughout; JV with HKS produced CDs for the facades; Graves produced CDs for the interiors)”.  PGAL Harris County Courts Complex Houston, Texas</p>	<p>See chart that includes similar nature and scope facilities with the relevancies of each project to the Joint Government Center Campus, on Pages 296 through 318</p> <p>HOK’s reference projects:</p> <ul style="list-style-type: none"> <li>Miami-Dade County Probate and Civil Courthouse Miami, FL</li> <li>Judge Seymour Gelber and Judge William E.Gladstone Miami-Dade Children’s Courthouse Miami, FL</li> <li>Abu Dhabi National Oil Company (ADNOC) Abu Dhabi, UAE Constitution Square Mixed-Use Development, Office Buildings I-IV</li> <li>Royal Caribbean Headquarters Miami, FL</li> <li>Indianapolis-Marion County Community Justice Center Indianapolis, IN</li> <li>San Francisco Public Safety Campus</li> </ul> <p>Specific Vendor reference forms are on Pages 271 through 318, in Section C3.</p> <ul style="list-style-type: none"> <li>University of South Florida Health Morsani College of Medicine and Heart Institute Tampa, FL</li> <li>One Reston Town Center Reston, VA</li> </ul>

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		Pininfarina Architecture/Interior Design reference projects: Torre Designo Mexico City, Mexico			<ul style="list-style-type: none"> <li>Royal Caribbean Headquarters Miami, FL</li> <li>Judge Seymour Gelber and Judge William E.</li> <li>Gladstone Miami-Dade Children's Courthouse, Miami, FL</li> <li></li> </ul>
Past Performance Continuation	C. Provide evidence that the firm achieved outstanding solutions and outcomes in new Government facility projects and projects of a similar nature.	See Section H, Page 257 for list of design awards AECOM has received for outstanding building solutions.	See Section H, Page 266 and 267 for examples of outstanding building solutions for The Fentress, Palma], Cartaya Design Team.	Section F pages 93-and page 96 of relevant projects.  Michael Graves Architects Fred D. Thompson U.S. Courthouse and Federal Building Nashville, Tennessee.  PGAL Harris County Courts Complex Houston, Texas	See chart that includes similar nature and scope facilities with the relevancies of each project to the Joint Government Center Campus, on Pages 296 through 318
Past Performance Continuation	D. Provide evidence of completed projects incorporating parking garage facility and parking management technology.	See Section H, Page 258 for AECOM and their partner THA Consultants in garage parking facilities including advanced parking management technology for similar projects throughout Florida.  AECOM Case Study: Fort Lauderdale/Hollywood International Airport - Consolidated Rental Car Facility, FL.  THA Case Study: The University of Kentucky Garage, Lexington, Kentucky. Disney Springs Parking Garages, Orlando, FL	See Section H, Page 268 for more information.  Fentress Architects stated that has designed more than 21.8 million square feet of parking structures.  Cartaya will be the Design Architect and Architect of Record for the Bus Transit Terminal, Administration Offices, and Parking Garage.  The design team stated that "the combination of function and aesthetics are key to successful parking garage design and the team will work closely together to provide Broward County with a state-of-the-art multi-level parking garage".	See section F, Pages 95, 96, and 97.for Parking garage facilities.	See chart that includes similar nature and scope facilities with the relevancies of each project to the Joint Government Center Campus, on Pages 296 through 318. <ul style="list-style-type: none"><li>Out of 10 projects, 9 projects include a parking garage.</li></ul> No details of parking technologies associated with projects.
Past Performance Continuation	E. Provide evidence of completed projects integrating multi-modal mass transit options.	See Section H, Page 259 for more information.  AECOM Case Studies:  3 Miami Central, Miami, FL(it is not clear what is the connection to integrating or coordinating with mass transit options)  Miami Intermodal Center, Miami, FL.	See Section H, Page 269 for more information.  Cartaya & Associates Architects listed Port Everglades 2,000 Car Parking Garage/Connector Bridges to Terminal #2/Ground Transportation Area (GTA) Complex.	PGAL listed on page 97 reference project.  FIU Market Station, Tech Station, & EOC Miami, Florida	See chart that includes similar nature and scope facilities with the relevancies of each project to the Joint Government Center Campus, on Pages 296 through 318  These two (2) projects include multimodal transit integration although it is not clear how the first project

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			Fentress Architects listed two (2) projects that included integrating or coordinating multimodal transportation facilities: the Colorado Convention center and the Norfolk Consolidated Courts Complex.		integrates multi-modal mass transit options.  •Abu Dhabi National Oil Company (ADNOC) Abu Dhabi, UAE •Constitution Square Mixed-Use Development, Office Buildings I-IV Washington, DC
Past Performance Continuation	F. Provide evidence of experience in Design-Build or integrated project delivery.	See Section H, Pages 274 through 276 for Design-Build or P3 experience and Design-Build Approach, as well as P 260 for listing of P3 projects in US and Canada.  Case Study: Governor George Deukmejian Courthouse, Long Beach, California. This was the first civic building in the U.S. delivered through an availability payment P3 contract and the first-ever P3 in Los Angeles County.	See Section H, Page 270 for specific information.	See Section E, Page 107 for general information.  The Teams stated that “Our team, combined, brings the experience of over 100 Design-Build projects in addition to many that are tantamount to IPD due to collaboration with a CM-at-Risk through all phases. This team understands that the design-build process.  No specific project successes were referred to but for information on specific projects, refer to project pages from pages 89 through 98.	See Section 1C, Page 260 through 265 for specific and extensive project successes and a list of projects that are Design-Build or P3 projects.  HOK defines the following information for Design-Build experience:  100+ Design-Build, P3, IPD projects 18M+ square feet \$4B in the last 3 years 12 DBIA awards in the last 7 years  HOK States on page 260 that “Members of this team recently collaborated on three Design-Build /P3 government projects: Miami-Dade County Civil and Probate Courthouse, Howard County Courthouse and the Design-Build King County Children and Family Justice Center.”
4. Project Approach: (Section H of the SF 330)  Describe the A/E Consultants’ approach to the project. Include how the prime Vendor will use sub-consultants in the project.	A. Describe the overall team’s approach to strategic planning this urban development project, taking into consideration occupancy and project typology. Describe your team’s design philosophies as it relates to critical regionalism, integrating local context with the proposed building typologies.	See Section H, Pages 261-269 for AECOM’s team approach employing the best resources of their integrated team partners as well as more information for creating a step-by-step approach to the design of the JGCC.	See Section H, Page 291 for more information for team’s approach.  Key elements that are listed are: <ul style="list-style-type: none"> <li>• Team’s diversity and complementary expertise</li> <li>• A government office building of this scale needs to be environmentally responsible through high-performance design that aspires to comply with the UN’s PLANET 2030 initiatives, in addition to the requirements of LEED v.4.1 and WELL.</li> <li>• A holistic approach will be taken in examining and considering the local context when designing the project, particularly in how it relates to the city’s skyline,</li> </ul>	See Section H, Page 103 and 104 for overall team’s approach to strategic planning this urban development project.  Design Philosophy is found in Section H, Page 103. The team states:” Contextual design is part of our team’s DNA. Everywhere we have worked throughout Florida, the US or abroad, we have strived to create a sense of place with identifiable architectural and landscape character. Character, the personality of a place, is understood through building and landscape forms and materials, as well as the response to climate and the natural environment. Contextual design is also an	See Section 4C, Pages 325 through 329 for more information for the team’s approach.  The JGCC will be one of the most prominent and symbolic buildings in Broward County, and its design must take its place on the skyline.  HOK describes their role for this project “As the Architect of Record, HOK is committed to creating environments that make a profoundly positive impact on people’s lives. Just as a city reveals important details about its inhabitants and times, a building speaks to history and ideas. As a civic building, the JGCC has the responsibility to reflect the character, culture, and aspirations of the people and place it represents, while

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			<ul style="list-style-type: none"> <li>Focus a great deal of attention on providing a welcoming and comfortable active ground plane to the public.</li> <li>Connectivity to transit will be a vital part of the JGCC.</li> </ul>	<p>essential component of our sustainability approach. Being a team of predominately local citizens, we will work in partnership with the City of Fort Lauderdale and Broward County to study, preserve and enhance the lifestyle of the community while promoting local culture and character.”</p>	<p>remaining true to enduring principles of efficiency and quality.”</p> <p>Key elements that are listed are:</p> <ul style="list-style-type: none"> <li>Site and Context</li> <li>Productive and Healthy Workspaces</li> <li>Flexibility and Change</li> <li>Security Building</li> <li>Technology</li> <li>Design Excellence</li> </ul>
Project Approach Continuation	B. Describe your team’s approach with integrating facility needs assessments, programming, and the design criteria package in the architectural, interior design, and construction for this Project.	<p>See Section H, Page 270 for general statements regarding the establishment of key milestones throughout the process for reference back to the DCP to establish compliance and “ anticipate a process of iterative reviews by The Sponsors during all phases of the project to compare the design and construction phases against the validated DCP.”</p> <p>The approach is not specific as to what are the milestones for iterative reviews.</p> <p>Further, AECOM noted; “Facility needs assessments and information collection are incredibly important in AECOM’s process, and include both quantitative and qualitative methods. We employ workplace performance surveys, pulse surveys and experience sampling to understand The Sponsors’ overall performance values and perspectives as organizations. This process is layered with deeper engagement sessions, including workshops, focus groups and interviews beginning early on in the validation phase.”</p>	<p>See Section H, Page 292 for more information for the team’s approach and experience.</p> <p>Fentress Architects stated that “ the DCP provides our design team with the ability to start our design process and complete a design that will incorporate, at a minimum, the elements of the DCP. It is an invaluable asset and will be reviewed and re-reviewed throughout the Stage 2 period to enable compliance.</p> <p>The Architects also stated that “We strongly believe in the importance of revisiting the Design Criteria Package (“DCP”), particularly in relation to the stakeholder’s current needs in light of the recent pandemic”.</p> <p>Although approach defines that “ a progressive project delivery enables our team to provide efficient solutions through a fluid process that will facilitate the basis of design requirements of the DCP” is it not specific as to how the process will be organized.</p>	<p>See Section H, in section B. Page 105 for teams approach</p> <p>“By employing proven consensus-building techniques with all stakeholders at an early stage of the process, stabilizes the architectural, interior and construction parameters regarding the program, cost, schedule, and the emerging design. For example, sustainable design strategies are most effective when incorporated into the project as part of an overarching approach, including the site design, building orientation, plan configuration, façade articulation, systems selection, and finally the detailed choice of materials and finishes.”</p>	<p>See Section C4, Page 330 and 331 for more information for team’s approach and experience</p> <p>The term that best describes HOK’s design approach is ‘Integration’. As stated, the design-build approach affords the UCP team the opportunity to incorporate all of the Project Objectives seamlessly into the final product, maximizing its potential. The UCP team is endeavoring to deliver an eminently safe, secure facility that is fast to build, easy to maintain, and reflects the dignified image that is appropriate for a facility of this type, located on a prominent civic campus in downtown Fort Lauderdale.”</p> <p>It is stated that “During the design process, the UCP team will engage in several different and distinct processes designed to provide continuity and consensus in the project among the entire project team. These distinct processes are Kick-off, Program Verification + Needs Assessment, Master Development Planning, Design Development, Construction Documents, Permitting, and Construction Administration.”</p>

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Project Approach Continuation	C. Describe a quality assurance, quality control system within the organization and as it relates to sub-consultants and contractors in order to ensure high-quality design solutions.	<p>See section H, Page 271 for QA/QC plan.</p> <p>“Quality control is core to the services AECOM provides. Their process has proven successful on projects of this size and complexity. Their approach starts at the top with their Project Manager, Tim Blair, who will be accountable for the overall quality of services provided and working closely with our Lead Design Principal, Ross Wimer. This personal accountability for quality is the basis of a culture of quality at AECOM; they will infuse it into every level of performance by adapting AECOM's ISO 9001:2018-certified quality management system. Their team is committed to delivering a QA/QC program that provides a clear, efficient path to delivering a high-quality facility that will serve The Sponsors for years to come. The A/E Team brings BIM implementation practices along with many other proven tools to monitor progress to help keep all projects on schedule and within budget, establishing project controls including scheduling support, budget management and document controls. Using innovative dashboard systems, The A/E Team brings best-in-class project management systems to confirm this project runs smoothly and moves expeditiously.”</p>	<p>See section H, Page 293 for QA/QC plan. The QA/QC plan is institutionalized in Fentress Architects’ 31 Chapter “Procedures Manual. Project Manager John Kudrycki will create a project-specific QA/QC plan which may consist a list of potential checks and reviews throughout the design phase and described in the narrative.</p> <p>It is also stated that “The Quality Management Program is only a part of the firm’s overall concern for quality and improvement. It is supplemented by in-house training programs in computer applications, building code analysis, and technological reviews of building systems.”</p>	<p>See section H, item C. Page 105 for QA/QC plan</p> <p>The section states that “ Our entire team is committed to providing the management, technical personnel, and other resources necessary to comply with the principles of our Design Quality Management Plan.” Quality Assurance.”</p> <p>Quality control Plan is described on page 105.</p>	<p>See Section C4, Page 332 and 333 for specific more information on the team’s quality assurance.</p> <p>HOK Stated that “Throughout the design, some of the proven quality control tools and procedures HOK will use to coordinate with the UCP team to help reach key decisions quickly include: assigning the proper team members to each task, using BIM as a tool to facilitate coordination, proper execution of work plans, and using web-based information-sharing tools that are accessible and functional for the team.”</p> <p>Specific “Checks and Balances” system described is described as a system that “has been proven on our projects to be the best quality control advancement in our industry.</p>
Project Approach Continuation	D. Describe how the team will demonstrate a commitment to innovative design excellence, best value practices, quality, and resiliency, sustainable environmental stewardship in order to support carbon-neutral building goals.	<p>See pages 271 for statements regarding the team’s best practices to achieve the vision for JGCC, commitment to innovative design excellence, best value practices as well as resiliency, and sustainable environmental stewardship.</p> <p>Team defines an outline of the considerations the A/E Team is committed to evaluating throughout the process. The considerations are:</p> <p>Carbon Commitment Nature-based solutions Resiliency/climate adaptation New energy Community Impact</p>	<p>See pages 294 for statements regarding The Fentress   PALMA   Cartaya Design Team commitment to collaborative engagement, a heritage for inventive problem solving, and a deep understanding of the programmatic, design, and resilience objectives of government facilities.”</p> <p>Fentress Architects stated that “We will work closely with the city and county to choose benchmarking tools that align with their long-term goals for the building and campus “ and will evaluate sustainable strategies, with efficiency of scale in mind to define a path for carbon-neutral building through the commissioning phase be considered against the established benchmark.</p>	<p>See Section H, page 106 for statements .</p> <p>The teams commitment to innovative and groundbreaking design- was feature by “Our Design Excellence partner, Michael Graves, is an established, award-winning firm (AIA Gold Medal), whose design philosophy is built on the foundation of Frank Lloyd Wright’s rigor in contextual design. Wright was the first truly “green” architect incorporating natural and sustainable elements “</p> <p>The teams commitment to sustainable design was mentioned by the team’s combined “ in hundreds of LEED-certified buildings to our credit and over 100 LEED</p>	<p>See Section C4, pages 334 and 335 for statements regarding HOK and Syska Hennessy Group, UCP MEP Engineer.</p> <p>The experience snapshot describes “that Syska designs sustainable building systems that:</p> <ul style="list-style-type: none"> <li>• Meet client’s budget.</li> <li>• Foster occupant’s comfort and enthusiasm about the new environment.</li> <li>• Enable operations staff to successfully transition to new systems.</li> <li>• Provide building space easily adapted to evolving usage patterns.</li> <li>• Support and enhance the architectural concept(s).</li> <li>• Equal or exceed design-phase performance projections.</li> <li>• Achieve expected sustainability metrics and certifications, including LEED Platinum, net-zero energy and</li> </ul>

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				<p>Accredited Professionals on the team.”</p> <p>Also notes “In addition to our team’s commitment to sustainability, as are particularly proud that our architectural leader, Saltz Michelson, has designed Broward County’s first (and only) Net- Zero building at the Broward Transit Facility in Lauderhill. “</p> <p>Also stated” Wellness is the human counterpart of sustainability. Michael Graves has significant knowledge of WELL Building Institute’s recommendations to maximize human potential by fostering wellness in the built environment. The firm has used these principles in several large-scale Class “A” office buildings submitted with our team’s credentials. Strategically located connecting stairs and bridges between towers naturally encourage exercise well as make social connections with colleagues.””</p>	water performance, and carbon neutrality.”
Project Approach Continuation	E. Describe the team’s approach and past successes as a participant in projects using a design-build or public-private partnership.	<p>See Section H, Pages 274 through 276 for Design-Build or public-private partnership design team approach and past successes.</p> <p>“Civic Unity Partners has been engaged towards realizing your vision for the campus for over a year, with our first and most important goal being that the project be successfully executed. During this process, we have undertaken a robust analysis to determine the most effective delivery method to recommend for the County and City. A P3 model using a PDA process has proven to be the most expeditious and beneficial for the project as it will allow for Civic Unity Partners to establish a collaborative approach early with the County and City, while developing a long-term, performance-based contract</p> <p>As part of the proposal effort for the Campus, Civic Unity Partners has already worked</p>	<p>See Section H, Page 301 for more information.</p> <p>Fentress Architects stated the following “Fentress Architects has been active in the Design-Build delivery method since 1980 and has successfully completed 64 design-build projects valued at \$6.2 billion, including 51 with Hensel Phelps”. See specific team experience and a comprehensive and cooperative process for the successful completion of design-build projects.</p>	<p>See Section H, page 107 for more information.</p> <p>“This team has been at the forefront of this streamlined and expedient delivery system for well over a decade.”</p> <p>“P3 and Design/Build projects range from parking garages and sustainable buildings to government, justice, military, medical, academic and campus housing facilities.”</p> <p>“Partnering is the cornerstone of our delivery method. We listen and learn from our clients, consultants, and contractors. P3 arrangements are a natural progression in the project delivery process that we embrace and encourage.”</p>	See Section C4, Pages 336 through 337 for Design-Build or public-private partnership project experience that “guides the process to balance competing needs against budget and schedule parameters.”

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		together extensively. PCL, AECOM and Stiles will create a design with constructability and operability in mind, and with the goal to create efficiencies both in construction and for the duration of the building's operation. We have determined an indicative schedule and construction sequence, reviewed the site and developed a preliminary site plan, validated costs, and identified cost drivers in the design to provide the optimal scheme for The Sponsors."			
Project Approach Continuation	F. Describe the team's approach to stakeholder engagement and public outreach, communications, and technology to convey civic public benefits of the project to the broader community, should this become the responsibility of the developer.	See Section H, Page 277-279 for more information for creating an effective outreach plan.	See Section H, Page 302 for more information.	See Section H page 108 for more information.	See Section C4, Page 338 and 339 for more information.  The UCP approach to community engagement and outreach is steeped in the values and ethics of the International Association for Public Participation ("IAP2").
<b>5. Workload of the Firm:</b>	For the A/E Consultants only, list all completed and active projects that A/E Consultants have managed within the past five years. In addition, list all projected projects that Vendor will be working on in the near future. Projected projects will be defined as a project(s) that A/E Consultants is awarded a contract but the Notice to Proceed has not been issued. Identify any projects that Vendor worked on concurrently. Describe A/E Consultants' approach in managing these projects. Were there or will there be any challenges for any of the listed projects? If so, describe how A/E Consultants dealt or will deal with the projects' challenges.	Summary from Section 5: Workload of the Firm. Pages 186-187 are included in the submittal.  It is stated on page 187, the following" Prior to selection of specific staff for Civic Unity Partners' A/E Team, AECOM examined the existing and projected workload of each person and confirmed their availability for this project. They have determined that there are no obligations, either current or projected, that would prevent the Team from successfully completing this important project. Additionally, their large resource pool of talented people across Florida and the world enables them to increase manpower on short notice to meet additional demands in the event that unforeseen project requirements arise. One of the advantages of being such a large firm with great depth of resources is their ability to quickly assign resources as needed.	See Section H, Page 303 through 316 for specific projects that A/E consultants have managed as well as additional information.  A project challenge identified was transition from design to construction for which it identified that "For the Joint Government Center Complex, the Fentress   PALMA   Cartaya Design Team will co-locate in Hensel Phelps' Fort Lauderdale office, located a mile from the site. The Design Team will work closely with the General Contractor to provide continuity of management and allow for easy transition to construction" reinforcing that ". One of the benefits of this process is that the designers have the advantage of direct input from the contractors through the completion of the construction documents."	See Section H, Page 119 for Combined Project team Workload.  It is stated by Developer that "Our Team is compiled to specifically meet the needs of this project. Due to our ability to shift our resources as needed, there will never be a time when we will not be able to appropriately staff your projects. There are always challenges that come up on projects, however, the way our team is set up and the thorough planning that goes into project delivery sets our team apart and delivers quality work on time and on budget for our clients. All projects have overlaps and are worked on concurrently with other projects.  All projected combined team projects that vendor will be working on in near	See Section C5, Page 341 for more information and a table that lists all active and completed projects for HOK within the past five years on pages 342 through 347.  HOK commits the resources necessary to meet and exceed the objectives set by the Sponsors for the JGCC. In addition, the proposed UCP project team members are currently coming off of similar recent design projects in Florida and are able to transition to the JGCC project.  HOK tracks availability and staffing on all projects firmwide to ensure the Sponsors and project needs are met. HOK tracks availability and staffing on all projects firmwide to ensure the Sponsors and project needs are met.



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		Completed projects are listed. Project challenges were not provided.		future listed in Section H, Page 119-128.	The firm meets weekly to discuss workload, staffing, and deliverables, and look ahead to all phases of a project to line the right resources at the appropriate time.  The team works within an organizational structure that focuses on the assignment of individuals within categories of expertise; therefore, leveraging all staff resources of the firm to both augment any additionally required expertise as would become necessary to support the project.  Project challenges were not identified.
<b>6. Willingness to Meet Time and Budget Requirements:</b>	For A/E Consultants, explain the approach to meeting time and budget requirements for project of similar scope and scale. In Step 2, once budget and schedule are established, Developer Team shall confirm commitment to meet project schedule and budget requirements.	Summary from Section 6, Page 188 is included in the submittal.  AECOM's approach to meeting time and budget requirements includes "AECOM's cost control methods to involve early engagement of their cost estimator and constant understanding of cost as the project develops. They use many "Lean Principles" in their work. Especially the idea of presenting options, whether it is a design option or a material comparison, through understanding the pros and cons of the options and the cost benefits. AECOM will present this to The Developer, The General Contractor `Developer, and The Sponsor to make an informed decision, knowing all the implications. They will integrate the cost estimating activity in their work and will do formal cost estimating at milestones in the project. AECOM knows that maintaining the established budget is paramount to the project's success and they have an excellent track record to prove it."  CASE STUDY: Montgomery County Judicial Center Annex and Renovation.	See Section H, Page 317 for more information.  The team stated the following " We pledge to assign all personnel necessary and use the expertise learned from our over 300 years of cumulative years practicing architecture and engineering in Fort Lauderdale and across the country to design and assist in the construction of this project within its approved budget and schedule."  Cost Control. Project Manager John Kudrycki is responsible for keeping the project within the project budget. See page 293.  See description of the team's approach and past successes as a participant in projects using a design-build or public-private partnership, Page 301, for design process for value engineering workshops.	See Section H, Page 128 for more information.  The team stated the following "Meeting or exceeding the schedule during the design and documentation phases of the work is easily accomplished with two simple strategies – First, we obtain early and solid consensus from all stakeholders regarding cost and program priorities as noted above."  And  "Second, we have the unique ability to draw on manpower resources from several offices either during the design, documentation or review periods to ensure the deadlines are met."  And lastly "Once a schedule is established, it will be a driving force for this project. Staying on schedule will require a commitment from all team members. Saltz Michelson/Michael Graves/PGAL brings a unique integrated approach to providing design services that work well within a stringent schedule and budget. We maintain continuity of our team through all phases of a project, allowing for a seamless transition from phase to phase, with	See Section C6, Page 349 for specific best practices related to HOK's approach to meeting time and budget requirements on projects of similar scope and scale to the JGCC.

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				<p>no start-up time for new team members. We also take pride in the fact that we provide the extremely complete and coordinated design documents at all phases of the design process.”</p> <p>See page 105 for Quality Assurance/Quality Control Systems.</p>	