

**AMENDMENT NO. 2  
TO THE  
PROFESSIONAL ARCHITECT/ENGINEERING SERVICES  
AGREEMENT  
GEORGE H. W. BUSH STATE OFFICE BUILDING  
1801 CONGRESS AVENUE  
CAPITOL COMPLEX PROJECT  
BETWEEN  
THE TEXAS FACILITIES COMMISSION  
AND  
HKS, INC.**

**This Amendment No. 2** to the Professional Architectural/Engineering Services Agreement (hereinafter referred to as "Amendment No. 2") is entered into by and between the Texas Facilities Commission (hereinafter referred to as "TFC"), a state agency located at 1711 San Jacinto Boulevard, Austin, Texas 78701, as Owner (as defined in UGC, Section 1.28), and HKS, Inc., an S Corporation (hereinafter referred to as "Architect/Engineer" or "A/E"), located at 350 North Saint Paul Street, Suite 100, Dallas, Texas 75201 (hereinafter referred to collectively as the "Parties"), to amend the original Professional Architectural/Engineering Services Agreement between the Parties, as amended.

**RECITALS**

WHEREAS, on March 15, 2018, the Parties entered into that one certain *Professional Services Architectural/Engineering Services Agreement Between the Texas Facilities Commission and HKS, Inc.* (hereinafter referred to as the "Agreement"); and

WHEREAS, on May 4, 2018, the Parties executed Amendment No. 1 changing the Duration of the Agreement and modifying certain insurance terms; and

WHEREAS, subject to Contract Section 4.5, Additional Services, the Parties now desire to amend the Agreement to provide for Additional Services and Fees and to extend the Duration of the Agreement, all as more particularly described below;

NOW THEREFORE, the Parties hereby agree as follows:

1. Unless clearly provided otherwise herein, all terms and phrases in initial caps herein shall have the same meaning as the terms and phrases with initial caps in the Agreement.
2. The Parties agree to amend ARTICLE II – SCOPE OF SERVICES, Section 2.1.1, Professional Services for George H. W. Bush State Office Building (1801 Congress Building), to include the Building Information Model to Facilities Management, by deleting Section 2.1.1 in its entirety and replacing it with Section 2.1.1 as follows:

**"2.1.1. Professional Services for George H. W. Bush State Office Building (1801 Congress**

Building). The Project includes professional architectural and engineering services for design development, Construction Documents, construction administration, Building Information Model to Facilities Management (“BIM to FM”), and warranty management for a new State of Texas office building at 1801 Congress Avenue.”

3. The Parties agree to amend ARTICLE II – SCOPE OF SERVICES, Section 2.2, Scope of Services, to include the Additional Services described in A/E’s Proposal for Additional Services dated December 14, 2018, by deleting Section 2.2, Scope of Services, in its entirety and replacing it with Section 2.2, Scope of Services, as follows:

“2.2. Scope of Services. A/E agrees to timely deliver the Professional Services described below and in the Detailed Scope of A/E’s Services, incorporated herein for all purposes as ‘Exhibit I,’ pursuant to the Professional Services Schedule. A/E shall provide utility design coordinated to avoid utility disruption to existing structures. Deliverable package shall include sealed engineering design document package for bidding, permitting and construction. A/E’s Services shall include provision of all documents required for permitting including but not limited to: SWPPP, street and sidewalk closures, encroachment agreements, and traffic control, as related to the utility portion of the Capitol Complex Project. A/E shall also provide the Additional Services described in A/E’s Proposal for Additional Services dated December 14, 2018, attached hereto and incorporated herein for all purposes as ‘Exhibit I-1.’”

4. The Parties agree to amend ARTICLE II – SCOPE OF SERVICES, Section 2.2.4.9 and Subsection 2.2.9.7.3, by deleting them in their entirety and replacing them with Section 2.2.4.9 and Subsection 2.2.9.7.3, as follows:

“2.2.4.9. Implement the CAD and BIM systems, the BIM Protocols, incorporated herein for all purposes as Exhibit L, pursuant to the BIM Addendum and the EPMCS which have been established by the CMA. The BIM to Facilities Management (“BIM to FM”) Summary is attached hereto and incorporated herein for all purposes as ‘Exhibit L-1.’”

“2.2.9.7.3. Furnish one (1) digital copy of all Construction Documents to TFC including the BIM Model, BIM to FM Model and annotation files used to create the Construction Documents, in the format and version approved by TFC.”

5. The Parties agree to modify ARTICLE III – TERM AND TERMINATION – by deleting Section 3.1, Duration, in its entirety and replacing it with Section 3.1, Duration, as follows:

“3.1. Duration. This Agreement shall be effective as of the Effective Date and shall terminate on December 31, 2022, unless extended by the Parties by amendment to this Agreement or terminated earlier, as provided below.

6. The Parties agree to modify ARTICLE IV – CONSIDERATION, Section 4.1, Contract Limit-Fees and Expenses, Section 4.1.1, Fixed Fee, by reflecting additional fees in the amount of Fifty-Three Thousand One Hundred Eighty and No/100 Dollars (\$53,180.00), thus increasing the total amount of the Agreement from Ten Million Six Hundred Eighty Thousand and No/100



Dollars (\$10,680,000.00), to a total not to exceed amount of Ten Million Seven Hundred Thirty-Three Thousand One Hundred Eighty and No/100 Dollars (\$10,733,180.00). Therefore, Section 4.1.1, Fixed Fee is hereby deleted in its entirety and replaced with Section 4.1.1, Fixed Fee, as follows:

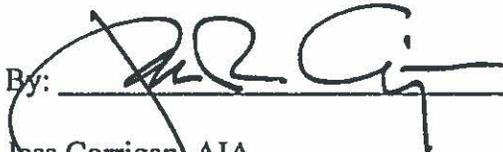
“4.1.1. Fixed Fee. In exchange for the proper performance and timely delivery of the Professional Services as specified by this Agreement, A/E shall be paid a fixed fee of Ten Million Seven Hundred Thirty-Three Thousand One Hundred Eighty and No/100 Dollars (\$10,733,180.00). A/E will not be compensated for any Professional Services performed or delivered by A/E prior to the Effective Date of this Agreement or after its termination. Such Fixed Fee shall be paid to A/E pursuant to A/E’s Fee Schedule and Staffing Plan, ‘Exhibit E.’”

7. All other terms and conditions of the Agreement not expressly amended herein shall remain in full force and effect.

**TEXAS FACILITIES COMMISSION**

**HKS, INC.**

By: DocuSigned by:  
Mike Novak  
BTC9FC0A8020417...

By: 

Mike Novak

Jess Corrigan, AIA

Executive Director

Partner, Senior Vice President

Date of execution: 02/15/2019 | 11:23 AM CST

Date of execution: 15 FEB. 2018

GC NRG

Dir MH

DED JL

**Exhibit I-1**



December 14, 2018

Ms. Janie Gribble, AIA, LEED AP, CTCM  
Sr. Project Manager  
Facilities Design & Construction  
Texas Facilities Commission  
PO Box 13047  
Austin, Texas 78711-3047

Re: **TFC 1801 Congress**  
HKS, Inc. Project No. 21423  
Additional Service No. 001

Dear Ms. Gribble:

HKS, Inc. (HKS) proposes to perform as Additional Services to our Agreement dated March 3, 2018 on the referenced project the following:

Provide BIM to Facilities Management (FM) model interoperability for future use by TFC, per the attached TFC Asset Management and Naming Convention Guidelines.

Proposals from the consultants are attached hereto.

Compensation to HKS and its consultants for performing this Additional Service shall be computed as follows:

HKS	Hourly not to exceed \$5,000.00	
Studio 8, LLC	Hourly not to exceed \$10,000.00	
HMG	\$18,000.00	
H2MG	\$6,500.00	
Datacom, LLC	\$13,680.00	
		<b>Total \$53,180</b>

In addition, any direct costs (travel and living expenses, reproduction, long distance telephone calls, etc.) relative to these services shall be expenses reimbursable to HKS.

If this proposal to perform Additional Services meets with your approval, please sign and return to our office one original of this letter.

Best Regards,

R. Craig Williams FAIA, RIBA

The undersigned authorized agent of the Owner represents and warrants to HKS that all required approvals for authorization of the foregoing services have been obtained in writing.

AGREED AND AUTHORIZED: This \_\_\_\_ day of \_\_\_\_\_, 2018

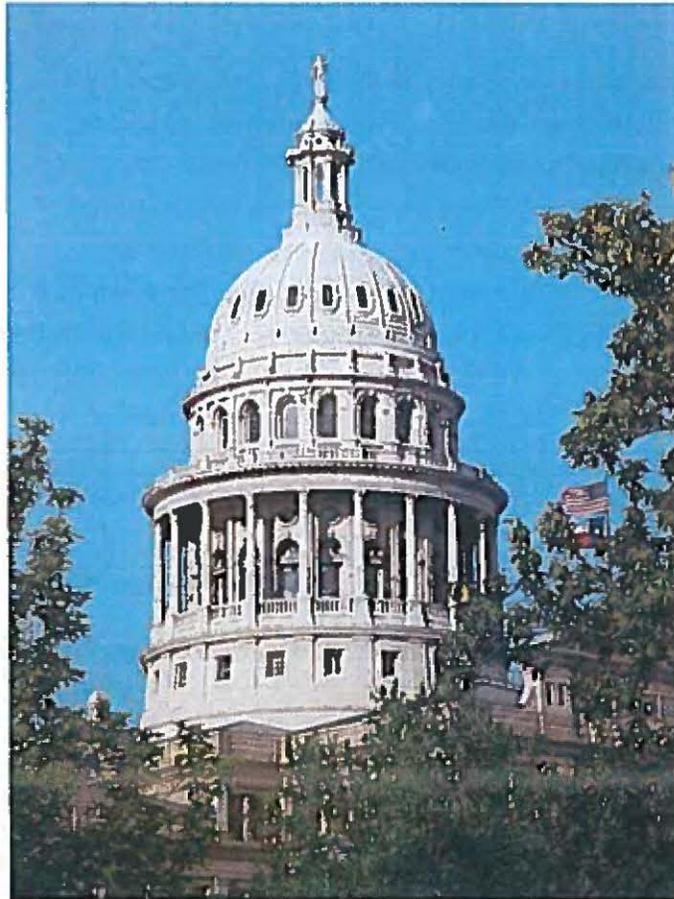
By: Texas Facilities Commission

Acceptance of this Proposal may only be effected by execution of Amendment No. 2 by the Parties.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

# TFC Asset Management and Naming Convention Guidelines



This document will be used to manage assets that are owned by TFC and utilized within TFC property. Assets should be created and/or modified according to the TFC Asset Management and Naming Convention Guideline.

## ***NAMING CONVENTION***

This section identifies an asset naming convention to classify assets in our TFC database and on equipment in the field. Each asset will contain building, equipment, and floor and unit #information. See code lists at the end of the document to obtain code information.

### General Format

- The first set of characters represents the building designator.
- The second set of characters represents the equipment designator.
- The third set of characters represents the building floor.
- The single character after the floor is the direction. (not required)
- The last set of characters represent the equipment unit number.
  - Note: The unit # will restart at 1, when same type of equipment is identified on a different floor. This will ensure unique asset names for every piece of equipment.
  - Note multiple parts of the same type will have a letter after the unit #.

Building	Equipment	Floor/Direction	Unit#
L B J	A H U	1 E	5
L B J	A H U M	1 E	5 A
L B J	A H U M	1 E	5 B

Example for a chilled water pump in the basement floor of the Robert E. Johnson Building:

- Robert E Johnson=REJ
- Chilled Water Pump=CHWP
- *REJ-CHWP-B-1*

Example of an air handler unit on the 1<sup>st</sup> floor and the east side of the Sam Houston Building:

- Sam Houston Building = SHB
- Air Handler Unit = AHU
- East = E
- *SHB-AHU-1E-1*

For Building Level and Room Numbering schema refer to Owner's Project Requirements for the TCC project.

***DATABASE ASSET INFORMATION***

This section identifies the required asset information to be entered into the database. Each asset should be entered into the database with the following information:

- Install date
- Equipment Manufacturer
- Model #
- Serial #
- Parent asset name
- Technical Specs (Voltage, Amps, HP, RPM, TONs, BTUs, Belt Size etc...)
- Location Information (Building, Floor/Direction, Room)
- Group Name (HVAC, Electrical, etc..)

See Scope Attachments for required Parameters

***ASSET LABELING REQUIREMENTS***

This section identifies labeling guidelines for identifying assets located in the field. Labels should adhere to the guidelines below:

- Labels will be provided by TFC. CMR shall affix labels to the required equipment and enter the corresponding barcode number in the spreadsheet.
- Premium polyester bar code labels should be used in all areas, except the harshest ~~environment~~
- ~~Labels should contain the asset name and bar code~~
- Labels should be secured in a visible location on the asset (such as front control panel)
- ~~Hand written labels are not acceptable~~
- ~~Child parts do not require labels~~
- Labels should have date, asset name, barcode and asset description, as shown below



## CODE LIST

### ***BUILDINGS***

Code	Building	Code	Building
<b>OFFICE</b>		<b>PARKING/GARAGES</b>	
ARC	Lorenzo de Zavala Archives & Library	PKA	Parking Garage A
BHB	Brown-Heatly Building	PKB	Parking Garage B
CSB	Central Services Building	PKC	Parking Garage C
CSX	Central Services Annex	PKE	Parking Garage E
CUB	Credit Union Building	PKF	Parking Garage F
DARS	DARS Administration Building	PKG	Parking Garage G
DHB	DSHS Headquarters Building (Old MHMR HQ)	PKH	Parking Garage H
DHF	DSHS Building F	PKHW	Parking Garage H West
DHG	DSHS Building G	PKJ	Parking Garage J
DHK	DSHS Building K	PKK	Parking Garage K Thomas J. Rusk Bldg.
DHR	DSHS Records Building	PKL	Parking Garage L William P Hobby Bldg.
DHSB	DSHS Servi		M1 Price Daniel Bldg. M2 Tom C Clark
DHT	DSHS Tower	PKM2	Bldg.
DHX	DSHS Annex (Old MHMR Annex)	PKN	Parking Garage N
ELP	El Paso State Office Building	PKP	Parking Garage P
ERB	Elias Ramirez State Building	PKQ	Parking Garage Q
FTW	Fort Worth State Building	PKR	Parking Garage R
GJS	G.J. Sutton Building	EPG	El Paso State Building Garage
GJSW	G.J. Sutton Building West	PK02	Parking Lot 2
INS	Insurance Building	PK03	Parking Lot 3
INX	Insurance Annex	PK06	Parking Lot 6
JER	James E. Rudder Building	PK07	Parking Lot 7
JHR	John H. Reagan Building	PK08	Parking Lot 8
JHW	John H. Winters Building	PK8A	Parking Lot 8A
LBJ	Lyndon B. Johnson Building	PK8B	Parking Lot 8B
P35A	Park 35 Building A	PK11	Parking Lot 11
P35B	Park 35 Building B	PK12	Parking Lot 12

**For Building Codes see below.**

Code	Building	Code	Building
<b>OFFICE</b>		<b>PARKING/GARAGES</b>	
P35C	Park 35 Building C	PK14	Parking Lot 14
P35D	Park 35 Building D	PK15	Parking Lot 15
P35E	Park 35 Building E	PK18	Parking Lot 18
PDB	Price Daniel, Sr. Building	PK19	Parking Lot 19
RDM	Robert D. Moreton Bldg. DSHS Campus	PK22	Parking Lot 22
REJ	Robert E. Johnson Building	PK24	Parking Lot 24
SCB	Supreme Court Building	PK25	Parking Lot 25
SFA	Stephen F. Austin Building	PK26	Parking Lot 26
SFB	State Finance Building	PK27	Parking Lot 27
SHB	Sam Houston Building	PK28	Parking Lot 28
TCC	Tom C. Clark Building	CUBP	Credit Union Building Parking Lot
THO	E. O. Thompson Building	DHP	DSHS Parking Lots
TJR	Thomas Jefferson Rusk Building	ELPP	El Paso State Building Parking Lot
TRC	Carlos F. Truan Natural Resource Center	ERBP	Elias Ramirez Building Parking Lots
TYL	Tyler State C		ilding Parking Lots
WAC	Waco State		ilding Parking Lots
WBT	William B. Travis Building	HSWP	Human Services Warehouse/DROC Parking Lots
WPC	William P. Clements Building	P35P	Park 35 Parking Lots
WPH1	William P. Hobby Building Twr. I	PROMP	Promontory Point Parking Lots
WPH2	William P. Hobby Building Twr. II	SFBP	State Finance Building Parking Lot
WPH3	William P. Hobby Building Twr. III	SRCP	State Records Center Parking Lots
<b>WAREHOUSE</b>		SUR1P	Surplus Property, San Antonio Parking Lot/Storage
DHH	DSHS Building H	SUR2P	Surplus Property, Fort Worth Parking Lot/Storage
HSW	Human Services Warehouse	SUR3P	Surplus Property, West Texas Parking Lot/Storage
INW	Insurance Warehouse	SUR4P	Surplus Property, Houston Parking Lot/Storage
SRC	State Records Center	TYLP	Tyler State Parking Lot
SUR1	Surplus Property, San Antonio	WHBP	Warehouse at Bolm Road Parking
SUR2	Surplus Property, Fort Worth District	WSBP	Waco State Building Parking Lots

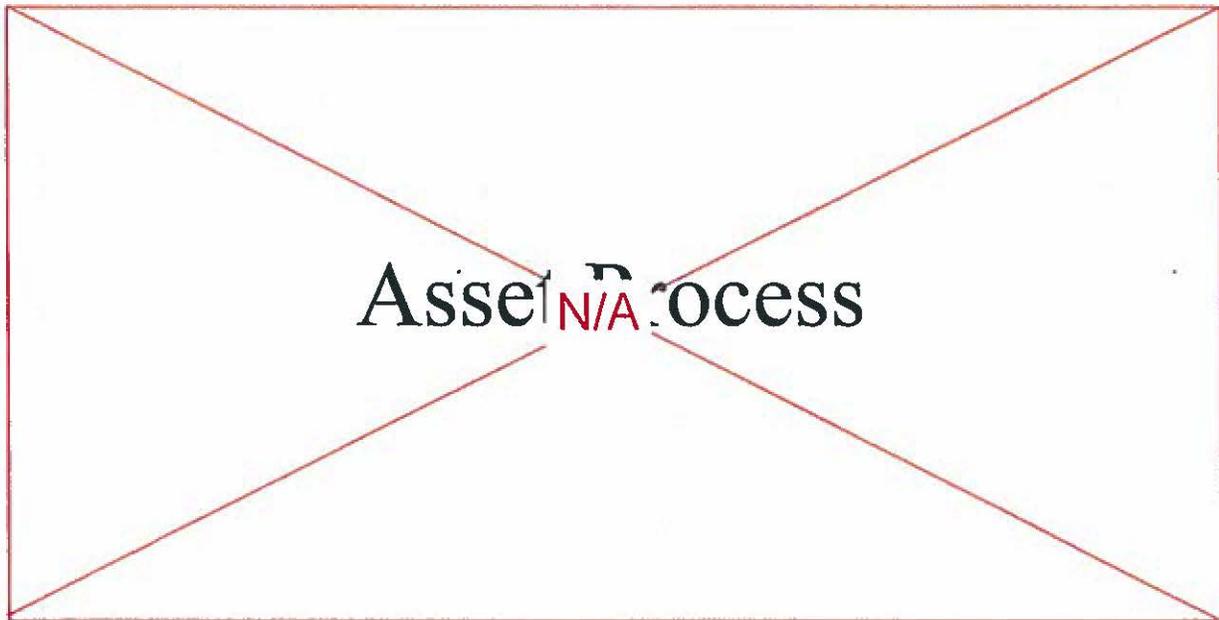
For Building Codes see below.

Code	Building	Code	Building
<b>WAREHOUSE</b>		<b>PLANTS</b>	
SUR3	Surplus Property, West Texas District	CPP	Central Power Plant
SUR4	Surplus Property, Houston District	DHNP	DSHS New Power Plant
TRGA	Truan Natural Resource Center Boat Storage	DHOP	DSHS Old Power Plant
WHB	Warehouse at Bolm Road	SFAP	Stephen F. Austin Power Plant
<b>For Building Codes see below.</b>			
CCF1	Child Care		
CCF2	Child Care Center Bldgs.		
CEM	Cemetery Building		
CEBD	Cemetery Building Old Residence		
DHNL	DSHS New Laboratory		
DROC	Disaster Recovery Operations		
PROM	Promontory Point		
WLL	Wheless Lane Laboratory		

*See Direction, Floor and Equipment Codes in Import Excel Sheet*

**Capitol Complex Phase I Location/Building ID Codes**

<b>Building IDs</b>	
<b>LOCATION DESCRIPTION</b>	<b>CODE</b>
1801 Congress	GHWB
1601 Congress	1601
New CUP	CUPX
Texas Mall (Congress)	MALL
Texas Mall Underground Parking	PKMALL
1801 Underground Parking	PKGBB
1801 Above Ground Parking	PKGBA
1601 Underground Parking	PK16B



***Managing Assets in MM***

1. Follow instructions in the Import Excel Sheet.
2. Ensure bar code label is placed onto equipment

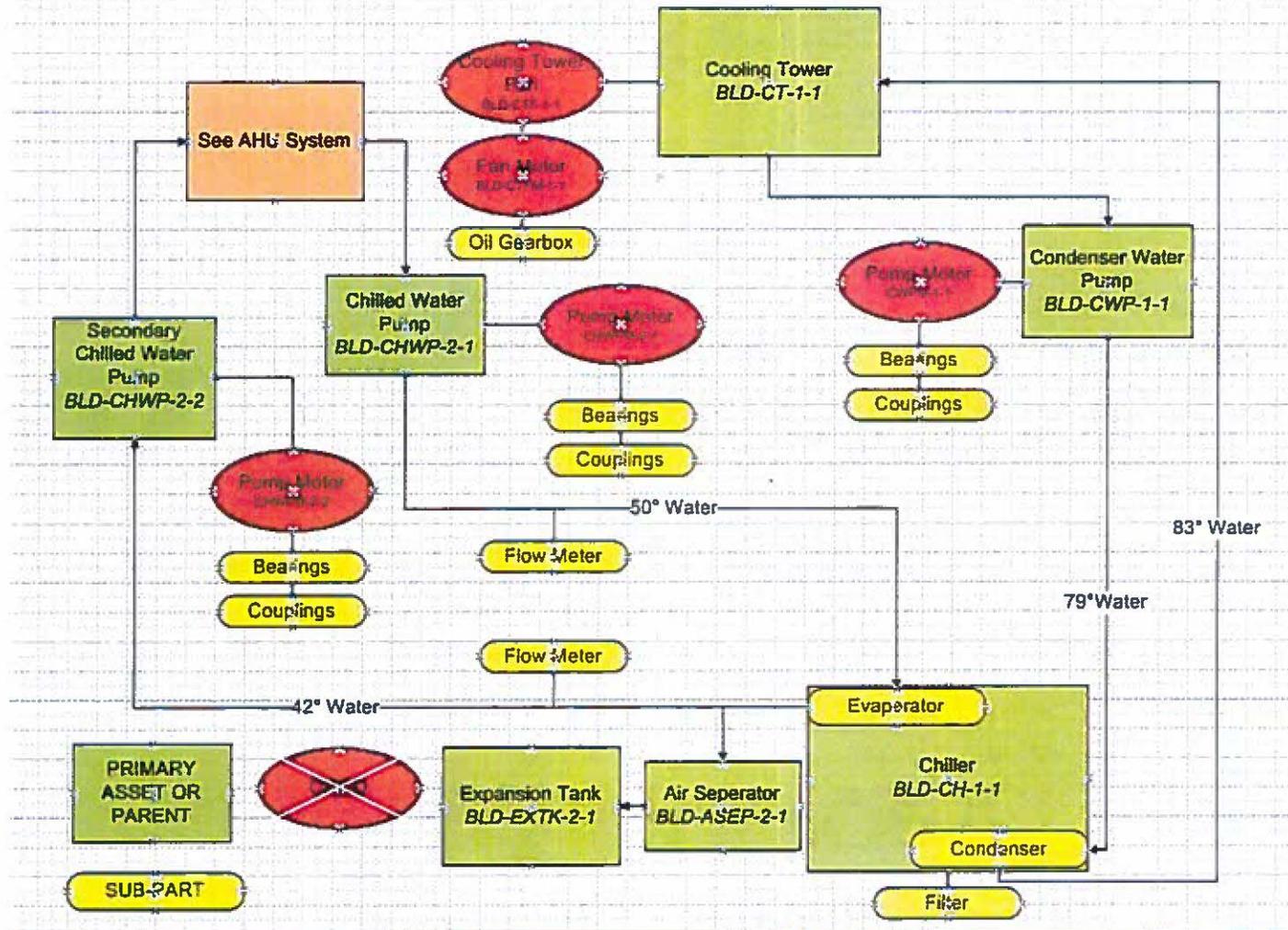
***Managing Assets with WOs or Invoices***

1. Asset names should NOT be used for assigning WOs and/or invoices.
2. Asset bar code #s should be used to assigning WOs and/or invoices.
3. The bar code # is similar to a serial #. It is unique and is assigned to that single asset forever.
4. TFC MUST begin using the bar code # along with asset names

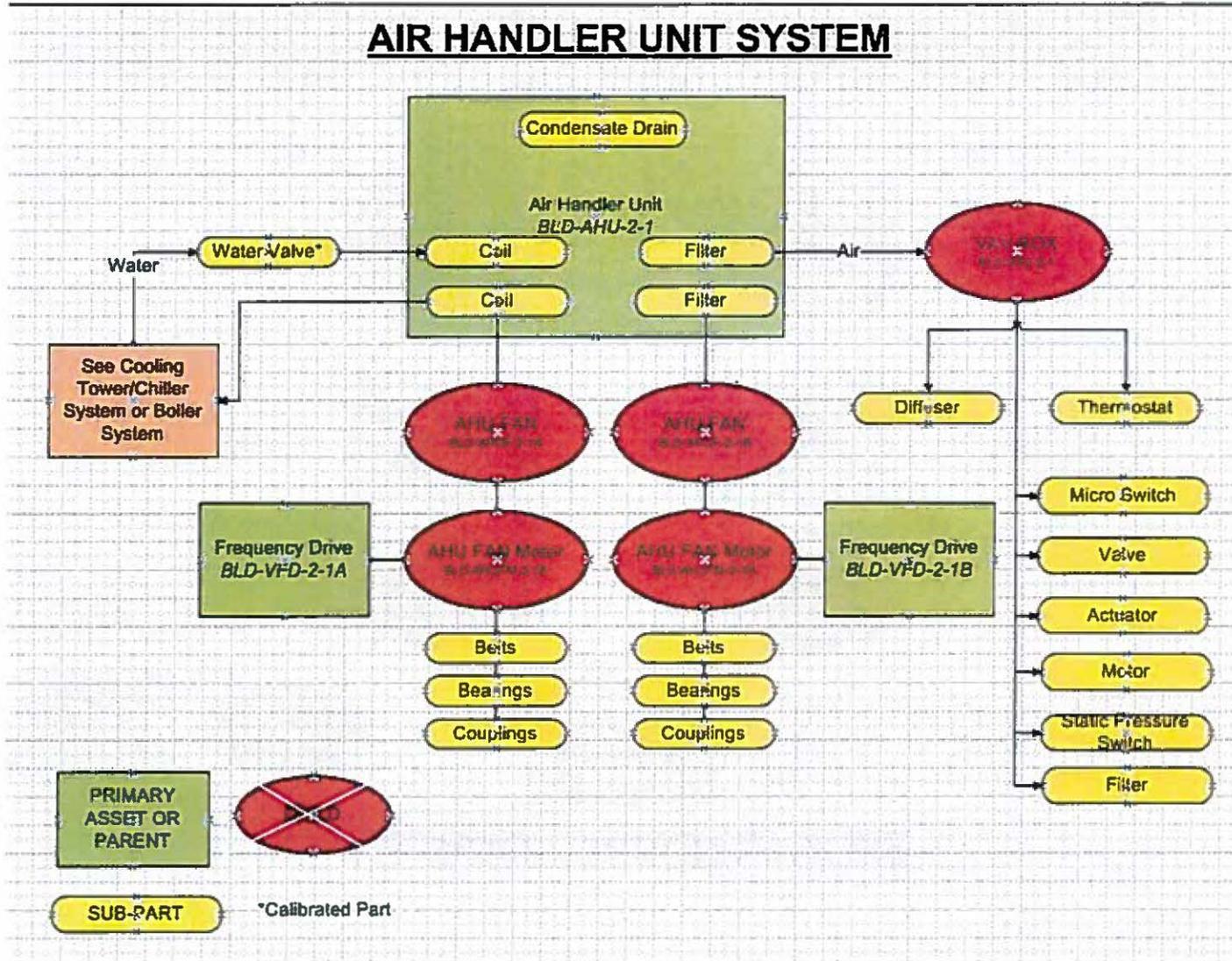
N/A

# HVAC SYSTEMS

### COOLING TOWER /CHILLER SYSTEM

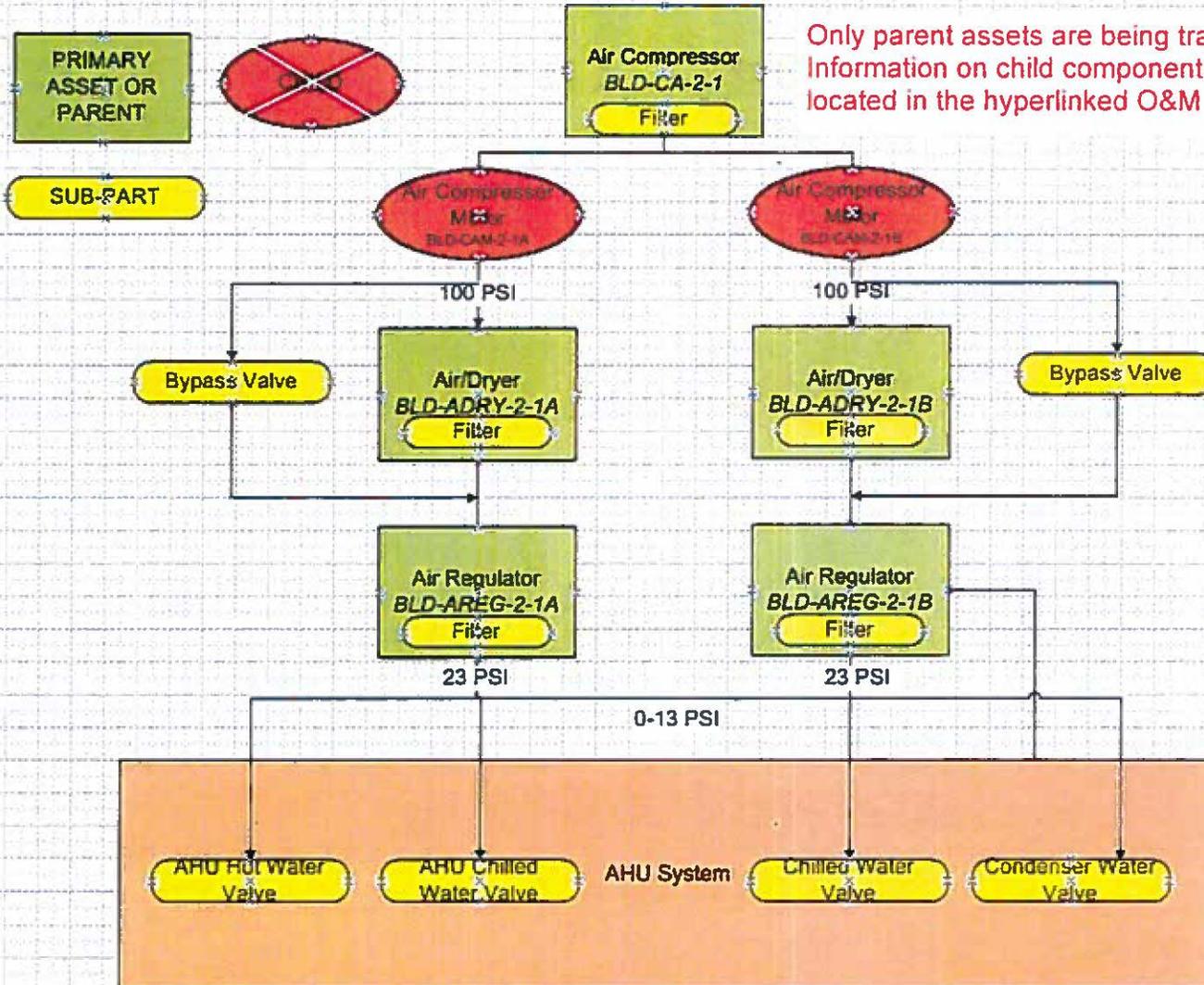


Only parent assets are being tracked for the TCC effort. Information on child components, filters, and parts are located in the hyperlinked O&M Manuals.



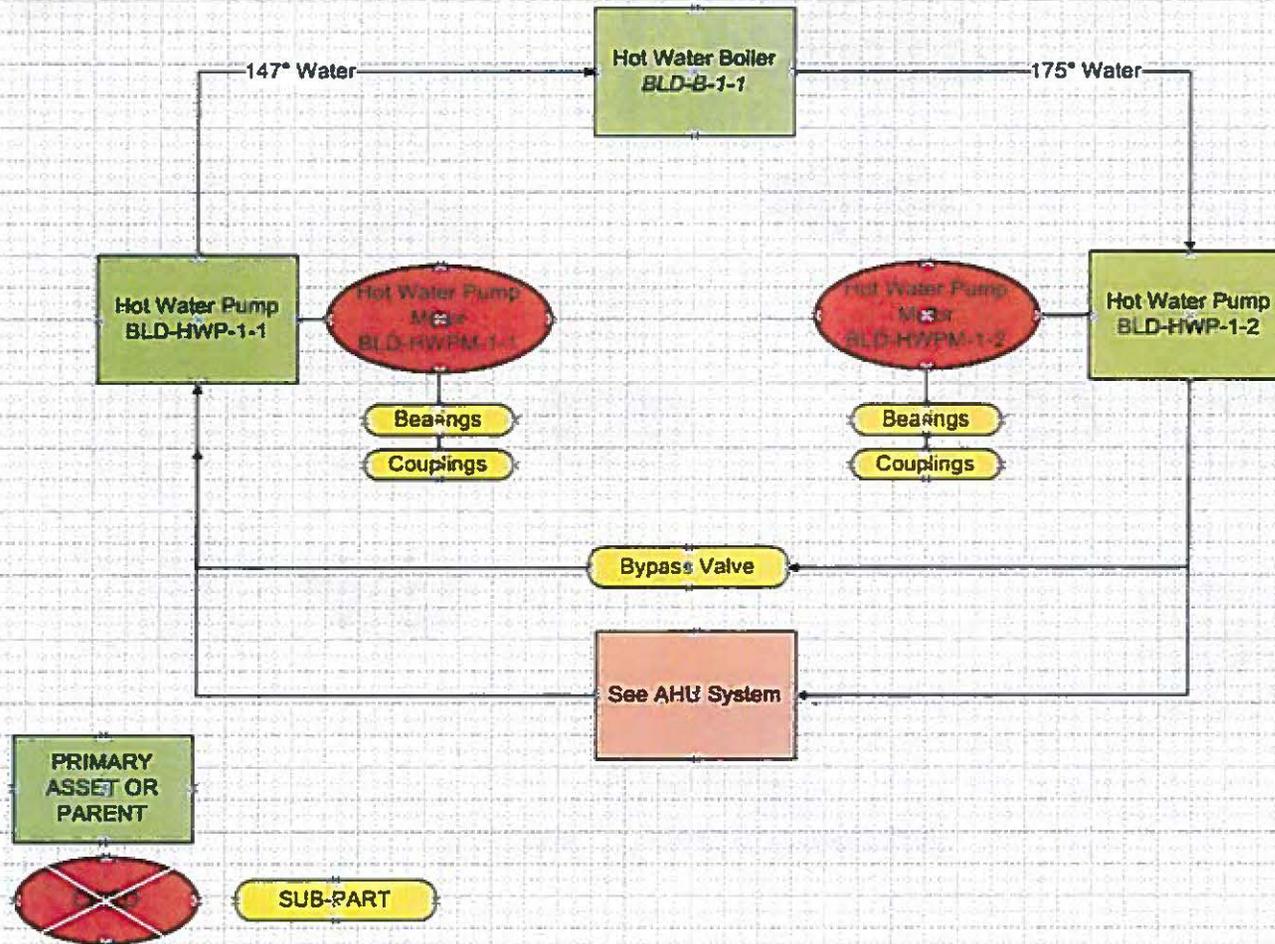
Only parent assets are being tracked for the TCC effort. Information on child components, filters, and parts are located in the hyperlinked O&M Manuals.

# AIR COMPRESSOR SYSTEM



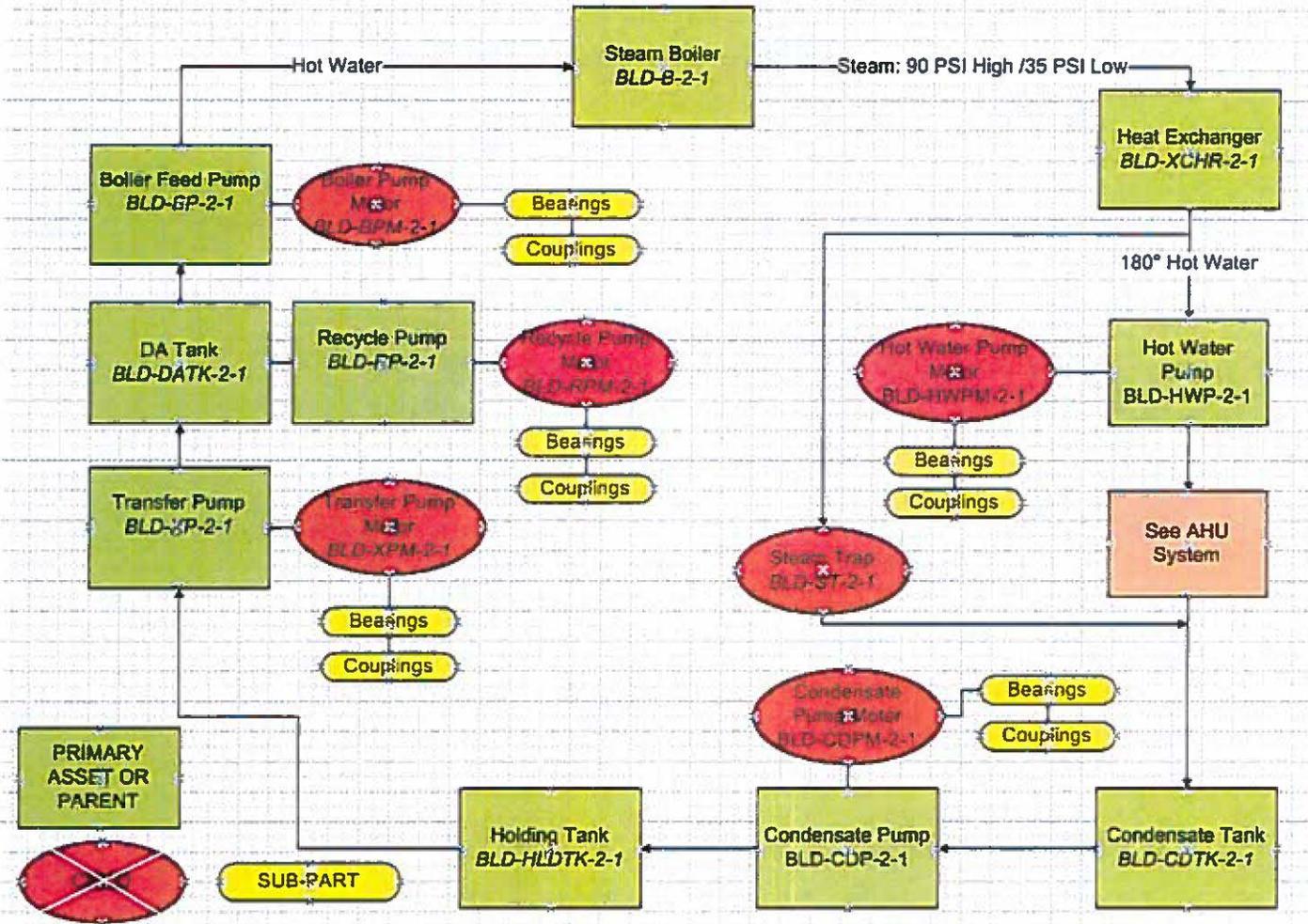
Only parent assets are being tracked for the TCC effort. Information on child components, filters, and parts are located in the hyperlinked O&M Manuals.

## HOT WATER BOILER SYSTEM



Only parent assets are being tracked for the TCC effort. Information on child components, filters, and parts are located in the hyperlinked O&M Manuals.

## STEAM BOILER SYSTEM



Only parent assets are being tracked for the TCC effort. Information on child components, filters, and parts are located in the hyperlinked O&M Manuals.



12.14.18

# Contract Amendment Authorization No. 1

To: Brian Eason  
Company: HKS, Inc.  
Address: 350 North St. Paul Street, Suite 100, Dallas, TX 75201

This contract amendment authorization represents a scope increase to the Professional Services Agreement for the George H. W. Bush Office Building at 1801 Congress Avenue in Austin, Texas between HKS, Inc. and Studio 8 Architects, Inc., as the consulting Architect, dated October 9, 2018.

Except as specifically noted below, all terms and conditions presented in the original agreement apply.

- I. **Request for Additional Scope and Services**  
Services necessary to accommodate the Texas Facilities Commission requirements related to BIM to FM format as it relates to Studio 8's scope of work.

Additional Services Total	Hourly not to exceed	\$40,000
---------------------------	----------------------	----------

Best Regards,

Studio 8 Architects, Inc.: *Kurt Bynum*

Date: 12.14.18

Accepted by: \_\_\_\_\_

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

The Texas Board of Architectural Examiners, P.O. Box 12337, Austin, Texas 78711-2337 or 333 Guadalupe, Suite 2-350, Austin, Texas 78701-3942, (512)305-9000 has jurisdiction over complaints regarding the professional practices of persons registered as architects in Texas.

December 6, 2018

Brian Eason, AIA, LEED AP  
Principal and Project Manager  
HKS  
350 N Saint Paul St, Suite 100  
Dallas TX 75201-4240

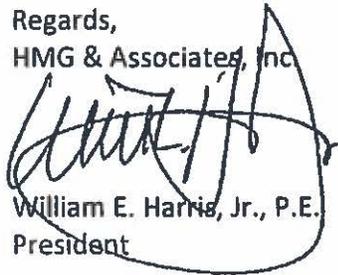
**Re: 1801 Congress – BIM to FM  
Additional Services**

Dear Brian:

Per your request, I am forwarding this request for additional services for this project which are related to the BIM requirement for the MEP systems. Our scope of work is based on the documents you forwarded from Balfour Beatty. We will provide the required scope for the mechanical and plumbing systems for a fee of \$18,000. We anticipate 90% of our total services fee to be through CD's with 10% CA. Based on our previous projects where we provided this scope of work, we feel meetings should be taking place in the near future. This scope excludes fire sprinkler systems.

Let me know if you have any questions and when this request is approved.

Regards,  
HMG & Associates, Inc



William E. Harris, Jr., P.E.  
President



8000 W. IH 10, Suite 1002  
San Antonio, Texas 78230-4449  
(210) 298-3379  
FAX (210) 478-9055

December 6, 2018

Brian Eason, AIA, LEED AP  
Principal and Project Manager  
HKS  
350 N Saint Paul St, Suite 100  
Dallas TX 75201-4240

Re: **1801 Congress – BIM to FM  
Additional Services**

Dear Brian:

Per your request, I am forwarding this request for additional services for this project which are related to the BIM requirement for the MEP systems. Our scope of work is based on the documents you forwarded from Balfour Beatty. We will provide the required scope for the electrical systems for a fee of \$6,500. We anticipate 90% of our total services fee to be through CD's with 10% CA. Based on our previous projects where we provided this scope of work, we feel meetings should be taking place in the near future. This scope excludes fire alarm systems, teledata systems, and security systems.

Let me know if you have any questions and when this request is approved.

Regards,  
H2MG, LLC



Ernesto Lopez Del Castillo, P.E.  
Managing Principal

EC/ala

Cc: William E. Harris, Jr.  
Marc Hobbs



Technology Solutions :: Building for the Future™

October 12, 2018

Jess Corrigan  
AIA  
Principal and Senior Vice President  
HKS | Creating places that enhance the human experience  
350 N Saint Paul St, Suite 100  
Dallas TX 75201-4240

RE: Technology Design and Consulting Services -  
Texas Facilities Commission (TFC) - 1801 Congress – BIM Coordination

Dear Jess:

GENERAL

Revit Families –

- Adding the "TFC\_FM\_MEP" FM to BIM Parameter to the following families.
  - Receptacles
  - Wireless Access Points
  - Security Panels
  - Motion Detectors
  - Keypads
- Installation of Software and Configuration on production support workstations
- QA/QC families and parameters.
- Model Locations of Wireless Access Point and Voice/Data receptacles
- Model Locations of Motion Detectors, Keypads, Cameras and other door hardware components.
- Model all panels.
- Model Individual Conduits 2" and larger.
- Model all Controls Equipment: panels, transformers, cable tray, data racks.
- Identify all service and access areas.
- Revit layout creation of Information Technology, Electronic Security and Outside Plant

Exclusions:

- Population of parameters that show CMR as the responsible party to populate them within the "TCC-Revit Family Types Parameters.pdf" document

FEE SCHEDULE

Our fees for the efforts described above are:

	BIM
Construction Documents	\$13,680
<b>SubTotal</b>	<b>\$ 13,680</b>

Sincerely,

  
John Rob Hicks, RCDD  
Principal

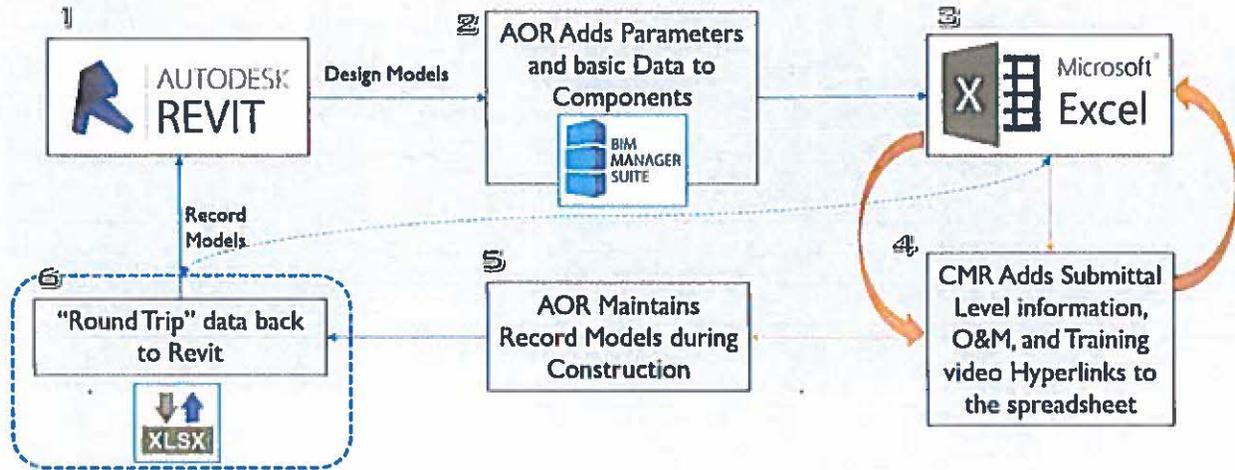
TFC Contract No. 18-142-000  
HKS, Inc.  
Amendment No. 2  
17-016-8002

**Exhibit L-1**



## TEXAS CAPITOL COMPLEX Project Building Information Model to Facilities Management (BIM to FM)

The Texas Capitol Complex project has a Facilities Management data collection and model population requirement. The Revit design record models will be populated with design, submittal, installation, O&M and training document hyperlinks, as well as commissioning document hyperlinks through the following steps.



### Design Phase – Steps 1-3:

As the design Revit models are being developed, the Design team and their consultants will load the shared parameters provided by TFC to the required component families. This can be done “in mass” using the “CTC – Shared Parameter Manager” add-in for Revit. The Design team will populate the unique equipment ID, description, location, and specification hyperlink for the required Revit components. A schedule in Revit shall be created with the components to be exported (see Revit Family Type Categories.pdf). At the 100% CD phase as the plans are being issued for construction, the AOR will use “BIMOne – Excel Import/Export” to export the schedules to an Excel spreadsheet. The spreadsheet will contain the data entered by the AOR and create the blank data structure to be completed by the CMR and Cx Agent. The Excel file will be uploaded to Google Drive as a shared spreadsheet so that the team can enter the remaining data fields. The AOR shall setup this shared environment and provide access to other team members.

### Construction Phase – Step 4:

The CMR will complete the data population of the FM spreadsheet in the Google Drive and enter the Training and O&M hyperlinks from approved submittals transferred from Impact to the Egnyte drive. Hyperlinks can be made to multiple .pdf documents through a single table of contents that links to additional files. At the time of equipment installation, the CMR shall affix barcode labels provided by TFC to the required equipment/building components. After installation, the CMR will complete the remainder of the Building, and MEP information in the spreadsheet. At commissioning, the Cx Agent will run QC checks on the data to confirm that 1) the data has been entered, 2) the serial number has been transcribed properly, 3) the location of the equipment as noted in the spreadsheet is correct. At completion of startup the Cx Agent will link the testing documents to the applicable components within the spreadsheet.

**Final Completion Phase – Step 5-6:**

At the completion of construction, the CMR will add any final data or hyperlinked O&M or Training manuals to the spreadsheet. Prior to submission of the final record drawings, the AOR will update the record models with final red lines from CMR, then the AOR will import the completed Excel FM spreadsheet from the Google Drive back into the record Revit models using "BIMOne – Excel Import/Export" add-in for Revit. This will populate the collected information back into the final record Revit models. All models, spreadsheets, linked documents, and other required as-built files will be transferred to the Texas Facilities Commission through the Egnyte drive, in addition to the submittal in the Impact electronic project management system.

**Attachments:**

TCC - Revit Family Type Categories.pdf  
TCC - Revit Family Types Parameters.pdf  
Asset Management Guidelines 2.23.12 for TCC 2017-11-2.pdf

**Required Software:**

AOR: AutoDesk Revit 2017

Microsoft Office Excel 2010 (or current version)

BIMOne Import/Export Excel

<https://apps.autodesk.com/RVT/en/Detail/Index?id=6290726048826015851&appLang=en&os=Win3264>

CTC BIM Manager Suite (Shared Parameter Manager)

<https://ctcexpresstools.com/product/bim-manager-suite-2018/>

TEAM: Bluebeam or Adobe Acrobat (current version)

Google Drive:

<https://www.google.com/drive/>

Revised 11/2/2017  
laguirre@balfourbeattyus.com

