

TFC Contract No. 17-025-000
Jacobs Engineering Group Inc.
RFQ No. 303-6-01454 / PO 303-6-7038
Amendment No. 7-A (Amended)
Project No. 16-030-8060

**AMENDMENT NO. 7-A (AMENDED)
TO THE
PROFESSIONAL ARCHITECT/ENGINEERING SERVICES
AGREEMENT
BETWEEN
THE TEXAS FACILITIES COMMISSION
AND
JACOBS ENGINEERING GROUP INC.**

This Amendment No. 7-A (Amended) to the Professional Architectural/Engineering Services Agreement (hereinafter referred to as “Amendment No. 7-A”) 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 Jacobs Engineering Group Inc. (hereinafter referred to as “Architect/Engineer” or “A/E”), located at 2705 Bee Cave Road, Suite 300, Austin, Texas 78746 (hereinafter referred to collectively as the “Parties”), to amend the Professional Architectural/Engineering Services Agreement between the Parties, as amended.

RECITALS

WHEREAS, on January 27, 2017, the Parties entered into that one certain *Professional Services Architectural/Engineering Services Agreement Between the Texas Facilities Commission and Jacobs Engineering Group Inc.* (hereinafter referred to as the “Agreement”); and

WHEREAS, the Parties subsequently executed Amendments numbered, 1, 2, 3, 4, 5, and 6, on May 8, 2018, July 30, 2018, October 2, 2018, July 23, 2019, November 27, 2019, and March 30, 2020, respectively; and

WHEREAS, to correct a scrivener's error, the Parties desire that this Amendment No. 7-A (Amended) shall supersede and replace Amendment No. 7 executed September 15, 2020 in its entirety; and

WHEREAS, the Parties now desire to provide for as more particularly described in Section 2 and 3, 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, Description of Project, Subsection 2.1.1, North Austin Complex, Paragraph 2.2.7.2.1, to include the following Additional Services:



2705 Bee Cave Road, Suite 300
Austin, TX 78746
512-314-3100

June 30, 2020

Mark Diaz, RA, CTCM
Project Manager
Facilities Design & Construction
Texas Facilities Commission

**Subject: Additional Service Proposal – ASP 07
HHSC and TFC IT and Security Modifications; E. Guadalupe Sidewalk
Replacement; and, HHSC Conference Room Repurposing**

**Project: North Austin Complex
TFC Contract No.: 17-025-000**

Mr. Diaz,

Jacobs is pleased to present our proposal for additional services to modify the Contract Documents in order to accommodate HHSC's and TFC's requested changes to the Electrical, IT, AV and Security systems. The proposed Scope of Work is enumerated in Attachment A.

The scope of services includes:

Coordination with HHSC and TFC to determine the extent of the requested changes, preparing preliminary layouts for review, coordinating civil, architectural, power, HVAC, plumbing, data, AV and security requirements, and, revising the drawings and specifications.

Fee: The services and deliverables required for the scope noted above will be provided for a lump sum fee of \$48,849 (forty-eight thousand eight hundred forty-nine dollars) as shown in the attached fee breakdown (Attachment B) and in conjunction with the Professional Services Agreement between Jacobs Engineering Group Inc and the Texas Facilities Commission.

This proposal assumes one submission of the Civil documents and one submission of the remaining documents as two (2) separate ASIs. It also assumes the work will be completed within the current construction schedule and will not increase the duration of Jacobs construction administration effort. This proposal assumes the information gathered from several meetings with TFC and HHSC, including, but not exclusively, the attached layout and configuration of the IT cabinets, is the final scope of work desired by TFC and HHSC. Jacobs reserves the right to request additional services if these assumptions are not met.

Allowable reimbursable expenses incurred for this task will be submitted for payment against the base contract reimbursable budget. Therefore, there are no additional reimbursable expenses (associated with this task) are included in this proposal.

Jacobs greatly appreciates the opportunity to serve TFC on this project. Should you require clarification or have questions, please do not hesitate to contact me.

Sincerely,

Kenny Houghton, PE
Project Manager

Craig McCurley, P.E.
Principal

Attachment A – Scope of Work
Attachment B – Fee Breakdown



ATTACHMENT A

SCOPE OF WORK			
Item No	Description	Requested By	Responsibility
1	MDF (Room 1.051)		
a	Remove PDUs from cabinets	TFC	DataCom
2	Colo (Room 1.050) - Current overhead receptacle configuration has (14) plug -in units each with (3) locking receptacles ((1) L6-30R, (1) L5-30R, and (1) L5-20R), of which TFC will use the L5-20Rs only.		
a	No change requested by TFC for overhead receptacle configuration Revise PDUs in cabinets to facilitate the use of the overhead receptacles and provide requested receptacles in PDUs	HHSC	DataCom
b	No change requested by TFC for overhead receptacle configuration Revise PDUs in cabinets to facilitate the use of the overhead receptacles and provide requested receptacles in PDUs	TFC	DataCom
3	IDFs (Building) Current configuration of locking overhead 120V 20A (L5-20R) receptacles acceptable.		
a	Receptacles above HHSC cabinets will be changed to 5-20R (non-locking) PDUs will be changed so that they are configured with 5-20P plug to plug into the back of the UPS, and 5-20R, -15R receptacles to receive TFC equipment. In Level 1 North IDF add two (2) 120v 20A circuits on emergency power above AV rack.	HHSC	Jacobs Electrical DataCom
b	No change requested by TFC for overhead receptacle configuration PDUs will be changed so that they are configured with 5-20P plug to plug into the back of the UPS, and 5-20R, -15R receptacles to receive TFC equipment	TFC	DataCom
c	Revise locations layout of cabinets and position of overhead receptacles per attached cabinet markups	TFC	Jacobs Electrical DataCom



4	IDF (Garage)		
a	Change electrical receptacle from NEMA L6-30R to NEMA 5-20R (non-locking)	TFC	Jacobs Electrical
5	Cabling		
a	Add 2 data drops at east security desk for sign-in kiosk	HHSC	DataCom
b	Extend fiber in JHW from Room 172 to B02	TFC	DataCom
6	Signal Flow Diagrams		
a	Prepare signal flow diagrams for all training rooms.	HHSC	DataCom (Issued separately, not included in ASI)
7	Fiber Connections		
a	Change single mode fiber connectors and adapter panels to be LC UPC type connectors in lieu of APC connectors	TFC	DataCom
8	Change AV switches to Cisco		
a.	Revise AV switches to Cisco	HHSC	DataCom
9	Security Software		
	Revise specification to change security software from OnSSI to S2	TFC	DataCom
10	Grab-N-Go		
a	Revise arch, electrical and plumbing. Add icemaker, relocate coffee urns, revise coolers, add flooring.	TFC	Jacobs
11	Civil upgrades for Sidewalk along E. Guadalupe		
a	Replace existing sidewalk between NAC loading dock drive and existing JHW loading dock drive	TFC	Garza
12	Conference room change to Offices (8 total)		
a	Revise conference rooms 8.312, 8.407, 8.710, 8.802, 8.806, 9.309, 9.407 and 9.708 to single person offices. Remove poke-throughs and carpet over. Remove room schedulers. Remove speakers. Revise data, electrical and HVAC where required.	HHSC	Jacobs DataCom



AV, IT AND SECURITY MEETINGS REQUIRED FOR ASP 07		
Topic	Requested By	Date
Level 1 Training Room Modifications	HHSC	12/12/19
Security Systems	TFC	2/5/20
BAS Energy Dashboard	TFC	2/25/20
MDF/IDF Review	TFC	3/11/20
MDF/IDF Rooms and AV Equipment	HHSC	3/27/20
IT Room Buildout Schedule	HHSC	4/14/20
Level 1 Training Facilities (Pre-call)	TFC	4/28/20
Level 1 Training Facilities	HHSC	4/29/20
PDU's and Electrical Receptacles	TFC	5/11/20
BAS Graphics/Tridium Integration	TFC	5/18/20
ONSSI Spec Changes	TFC	5/20/20
AV Signal Flow Diagrams	HHSC	6/23/20
Room Schedulers	HHSC	TBD

JACOBS

6/30/2020

Task List	Jacobs Design Team										DataCom			Garza			Total Hours
	Jacobs										DataCom			Garza			
	Project PM	Arch - Sr	Arch - A	Mech Eng - Sr	Mech Eng - Mid	Plumb Eng - Sr	Plumb Eng - Mid	Elct Eng - Sr	Elct Eng - Mid	IT/Info Lead	Security Lead	AV Lead	Civil Eng - Sr	Civil Eng - Mid	CAD Tech		
	PM, Programming, Mechanical, Plumbing, Fire Protection, Arch of Record, Electrical, Lab Planning, Cost Estimate										IT/ AV & Security			Civil Engineer			
TFC Modifications																	
Item 1 MDF (Room 1.051) Modifications																	
a. Remove PDUs from cabinets										1							1
Item 2 Colo (Room 1.050) Modifications																	0
b. Revise PDUs in cabinets to facilitate the use of the overhead receptacles and provide requested receptacles in PDUs										2							2
Item 3 IDF Modifications																	0
b. PDUs will be changed so that they are configured with 6-20P plug to plug into the back of the UPS, and 5-20R, -15R receptacles to receive TFC equipment										2							2
c. Revise locations layout of cabinets and position of overhead receptacles per attached cabinet markup								2	4	4							10
Item 4 Garage IDF Modifications																	0
a. Change electrical receptacle from NEMA L6-30R to NEMA 5-20R (non-locking)									2								2
Item 6 Cabling																	0
b. Extend fiber in JHW from Room 172 to BOZ										4							4
Item 7 Fiber Connections																	0
a. Change single mode fiber connectors and adapter panels to be LC UPC type connectors in lieu of APC connectors										1							1
Item 9 Security Software																	0
a. Revise specification to change security software from OnSSE1 to S2											16						16
Item 10 Grab-N-Go																	0
a. Revise arch, electrical and plumbing. Add floorplan, relocate ceiling truss, revise eoclers, add flooring.		2	12			6	12	4	8								44
Item 11 Civil upgrades for sidewalk along E. Quadshape													11	23	32		66
a. Replace existing sidewalk between HAC loading dock drive and existing JHW loading dock drive																	0
Project Management/Meetings/Coordination	8		4	2	2			4		2	2	2					28
Quality Control																	0
Hours	8	2	16	2	2	6	12	10	14	16	16	2	11	23	32		174
Rates (exhibit K base contract v.mch)	\$157.08	\$215.00	\$84.51	\$187.19	\$149.02	\$181.45	\$144.69	\$197.19	\$149.02	\$145.00	\$145.00	\$145.00	\$191.00	\$145.00	\$95.00		
Subtotal	\$1,257	\$430	\$1,352	\$394	\$298	\$1,149	\$1,736	\$1,972	\$2,088	\$2,320	\$2,610	\$280	\$2,101	\$3,335	\$3,040		
Total TFC						\$10,674					\$5,220			\$8,476			\$24,370

JACOBS

ATTACHMENT B

Task List	Jacobs Design Team															Total Hours
	Jacobs									DataCom			Garza			
	Project Mgr	Arch - Sr	Arch - Jr	Mech Eng - Sr	Mech Eng - Mid	Plumb Eng - Sr	Plumb Eng - Mid	Elec Eng - Sr	Elec Eng - Mid	ITG Data Lead	Security Lead	AV Lead	Civil Eng - Sr	Civil Eng - Mid	CJD Tech	
	PM, Programming, Mechanical, Plumbing, Fire Protection, Arch of Record, Electrical, Lab Planning, Cost Estimate									ITE, AV & Security			Civil Engineer			
HHSC Modifications																
Item 2 Colo (Room 1.010) Modifications																
a. Re/see PDUs in cabinets to facilitate the use of the overhead receptacles and provide requested receptacles in PDUs										2						2
Item 3 IDF Modifications																
a. Receptacles above HHSC cabinets will be changed to 5-20R (non-locking) PDUs will be changed so that they are configured with 5-20P plug to plug into the back of the UPS, and 5-20R, -15R receptacles to receive TFC equipment. In Level 1 North IDF add two (2) 120V/20A circuits on emergency power above AV rack.				2	4			4	12	12		4				38
Item 5 Ceiling																
a. Add 2 data drops at east security desk for sign-in kiosk										2						2
Item 6 Signal Flow Diagrams																
a. Prepare signal flow diagrams for all training rooms.												12				12
Item 8 Change AV switches to Cisco																0
a. Re/see AV switches to Cisco																0
Item 12 Conference room change to Offices (A total)																0
a. Re/see conference rooms 8.312, 8.407, 8.710, 8.802, 8.803, 8.309, 8.407 and 8.700 to single person offices. Remove poke-throughs and carpet cover. Remove room schedulers. Remove speakers. Re/see data, electrical and HVAC where required.				0	20			4	12							45
Project Management/Meetings/Coordination	16								12	12		16				56
Quality Control																
Hours	16	0	0	11	24	0	0	20	24	26	0	32	0	0	0	155
Rates (with K base contract rate)	\$157.08	\$215.00	\$84.51	\$107.19	\$149.02	\$191.45	\$144.69	\$197.19	\$149.02	\$145.00	\$145.00	\$145.00	\$191	\$145	\$95	
Subtotal HHSC	\$2,513	\$0	\$0	\$2,169	\$3,576	\$0	\$0	\$9,944	\$3,576	\$4,050	\$0	\$4,640	\$0	\$0	\$0	
Total HHSC					\$15,779						\$8,700			0		\$24,479
Total TFC (from above)					\$10,674						\$5,220			\$8,476		\$24,370
Total HHSC and TFC					\$26,453						\$13,920			\$8,476		\$48,849
																TOTAL

D A T A C O M D E S I G N G R O U P

Technology Solutions :: Building for the Future™

June 30, 2020

Ken Houghton, PE
Jacobs
Sr Project Manager
O: 512.314.3164 | M: 512.439.9230
ken.houghton@jacobs.com

RE: **Technology Design and Consulting Services
Texas Facilities Commission – North Administration Complex - HHSC Review Comments**

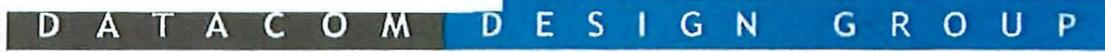
Dear Ken:

We are pleased to submit our Additional Services Request for consultation services related to Owner comments for the TFC NAC in Austin, Texas.

GENERAL

The scope of services herein includes the following:

Item	Description
1	MDF (Room 1.051)
a	Remove PDUs from cabinets
2	Colo (Room 1.050)
a	PDUs in cabinets to facilitate the use of the overhead receptacles and provide requested receptacles in PDUs
3	IDFs (Building)
a	PDUs will be changed so that they are configured with 5-20P plug to plug into the back of the UPS, and 5-20R, -15R receptacles to receive TFC equipment.
c	Revise locations layout of cabinets and position of overhead receptacles per attached cabinet markups
5	Cabling
a	Add 2 data drops at east security desk for sign-in kiosk
b	Extend fiber in JHW from Room 172 to B02
	Signal Flow Diagrams
a	Prepare signal flow diagrams for all training rooms.
6	Fiber Connections
a	Change single mode fiber connectors and adapter panels to be LC UPC type connectors in lieu of APC connectors
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	Revise specification to change security software from OnSSI to S2
11	Conference room change to Offices (8 total)
a	Revise conference rooms 8.312, 8.407, 8.710, 8.802, 8.806, 9.309, 9.407 and 9.708 to single person offices. Remove poke-throughs and carpet over. Remove room schedulers. Remove speakers. Revise data, electrical and HVAC where required.



Technology Solutions :: Building for the Future™

FEE SCHEDULE

Our fees for the efforts described above are:

Revise Construction Documents		Hours	Rate
Audio Visual	\$4,930.00	34	\$145/hr.
Communications	\$6,380.00	44	\$145/hr.
Security	\$2,610.00	18	\$145/hr.
Total	\$13,920.00		

Sincerely,


John Rob Hicks, RCDD
President



CHANGE ORDER AUTHORIZATION

Consultant: GarzaEMC, LLC. Date: 06-10-2020
7708 Rialto Blvd., Suite 125
Austin, Texas 78735 GEMC Project #: 111640-00003
Ph: (512) 298-3284 Fx: (512) 298-2592
Email: jmnrnak@garzaemc.com Change Order#: 5-rev1

Client: *Jacobs Engineering Group Inc.*
2705 Bee Caves Rd #300
Austin, Texas 78746
Ph: 512-314-3100 Fx: _____
Email: ken.houghton@jacobs.com

Project Name (on PSA): TFC North Austin Complex
Project Location: 701 W. 51st Street, Austin, Texas

Change Order Name: Sidewalk Replacement on Guadalupe

In accordance with the original Professional Services Agreement dated, June 12, 2017 the Additional Services as detailed below are hereby authorized:

I. GarzaEMC, LLC. agrees to perform the following additional service(s):

A. Sidewalk Construction Documents

In response to RFI 624 Item 2, the Owner has requested that the existing ADA non-compliant sidewalk along Guadalupe Street, between the loading dock driveway and the John H Winters drive, be replaced with a wider ADA-compliant sidewalk, which was not part of the original project scope. The additional effort required to complete this includes the following:

1. The scope of this Change Order includes replacement of the existing 4-ft concrete sidewalk between the loading dock drive the JHW drive with a 5-ft concrete sidewalk, which is approximately 345 linear feet. The existing sidewalk is located outside the ROW, and the intent is that the new sidewalk will remain entirely outside the ROW.
2. Update AutoCAD existing and proposed site base files to reflect the proposed sidewalk changes.
3. Update the Existing Conditions/Demolition, Erosion & Sedimentation Control Plan, Site Plan and Grading Plan Sheets to reflect the proposed changes.

Garza, EMC
7708 Rialto Blvd.
Suite 125
Austin, Texas 78735
o: 512.298.3284
f: 512.298.2592
www.garzaemc.com
TBPE No. F-14629



4. Sidewalk and associated ramps will be constructed in accordance with the current Geotechnical Engineering Report for the project and any applicable COA Standard Details and Specifications. The intent is for this new sidewalk to match the proposed sidewalk replacement along 46th Street.
5. Construction Phase Services: Attend two (2) site visits associated with the scope of the sidewalk replacement. One as needed prior to, or during, construction; and a second site visit post construction to inspect for concurrence with drawings.
6. Updated survey information for this area will be provided with the existing curb elevations included so that the proposed sidewalk grading can be completed and comply with ADA requirements.
7. We have assumed that these proposed improvements will be reflected on the current Civil drawings, and that no additional sheets are needed. Additional plan sheets will be identified with an ASI number to be determined at a later date when we get near the completion of the documents.
8. We have assumed the duration of effort associated with these changes will not exceed four (4) weeks. Drawings will be due (two) 2 weeks after NTP. TFC will review and provide comments within (one) 1 week, and updated/final drawings will be provided within a week of receiving comments.
9. This Change Order scope excludes any additional coordination or permitting associated with the City of Austin.

II. CLIENT agrees to compensate GarzaEMC, LLC. for such additional services in accordance with the terms of the initial agreement for additional amount(s) stated below

A. Sidewalk Replacement on Guadalupe

1-9	Lump Sum	\$	8,500	.610
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III. All other terms and conditions of the original Agreement shall remain in full force and effect.

By signing below, the parties agree and affirm that each has reviewed and understands the provisions set out above and that each party shall be bound by each and all of said provisions. A copy of this agreement shall serve and may be relied upon as an original.

Jacobs Engineering Group Inc.

By: _____

Name: _____

Title: _____

Date Signed: _____

GarzaEMC, LLC.

By: *Julia Mrnak*

Name: Julia Mrnak, PE

Title: Vice President

Date Signed: 06-11-2020



CHANGE ORDER AUTHORIZATION

Consultant: GarzaEMC, LLC. Date: 06-10-2020
7708 Rialto Blvd., Suite 125
Austin, Texas 78735 GEMC Project #: 111640-00003
Ph: (512) 298-3284 Fx: (512) 298-2592
Email: jmrnak@garzaemc.com Change Order#: 5-rev1

Client: *Jacobs Engineering Group Inc.*
2705 Bee Caves Rd #300
Austin, Texas 78746
Ph: 512-314-3100 Fx: _____
Email: ken.houghton@jacobs.com

Project Name (on PSA): TFC North Austin Complex
Project Location: 701 W. 51st Street, Austin, Texas
Change Order Name: Sidewalk Replacement on Guadalupe

In accordance with the original Professional Services Agreement dated, June 12, 2017 the Additional Services as detailed below are hereby authorized:

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2. Update AutoCAD existing and proposed site base files to reflect the proposed sidewalk changes.
3. Update the Existing Conditions/Demolition, Erosion & Sedimentation Control Plan, Site Plan and Grading Plan Sheets to reflect the proposed changes.

Garza, EMC
7708 Rialto Blvd.
Suite 125
Austin, Texas 78735
o: 512.298.3284
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TBPE No. F-14629



4. Sidewalk and associated ramps will be constructed in accordance with the current Geotechnical Engineering Report for the project and any applicable COA Standard Details and Specifications. The intent is for this new sidewalk to match the proposed sidewalk replacement along 46th Street.
5. Construction Phase Services: Attend two (2) site visits associated with the scope of the sidewalk replacement. One as needed prior to, or during, construction; and a second site visit post construction to inspect for concurrence with drawings.
6. Updated survey information for this area will be provided with the existing curb elevations included so that the proposed sidewalk grading can be completed and comply with ADA requirements.
7. We have assumed that these proposed improvements will be reflected on the current Civil drawings, and that no additional sheets are needed. Additional plan sheets will be identified with an ASI number to be determined at a later date when we get near the completion of the documents.
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A. Sidewalk Replacement on Guadalupe				
1-9	Lump Sum	\$	8,500	.610

III. All other terms and conditions of the original Agreement shall remain in full force and effect.

By signing below, the parties agree and affirm that each has reviewed and understands the provisions set out above and that each party shall be bound by each and all of said provisions. A copy of this agreement shall serve and may be relied upon as an original.

Jacobs Engineering Group Inc.

By: _____

Name: _____

Title: _____

Date Signed: _____

GarzaEMC, LLC.

By: *Julia Mrnak*

Name: Julia Mrnak, PE

Title: Vice President

Date Signed: 06-11-2020

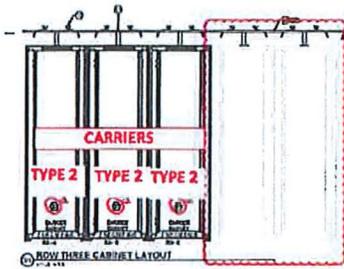


NO.	REV.	DATE

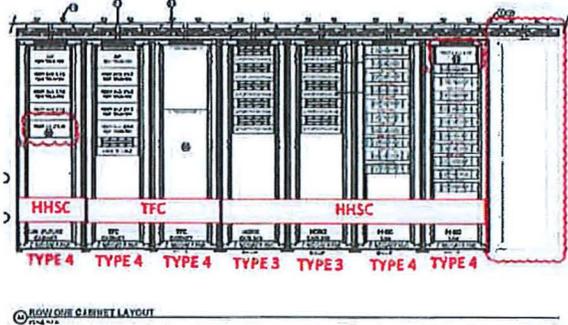
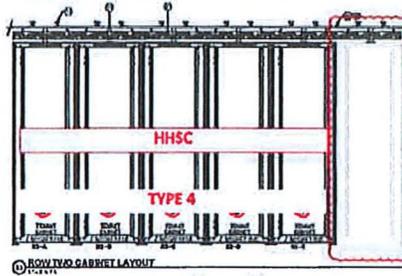
TFC - NORTH AUSTIN COMPLEX
 (TFC - NAC)
 TEXAS FACILITIES COMMISSION
 1711 SAN JACINTO BLVD.
 AUSTIN, TEXAS 78751

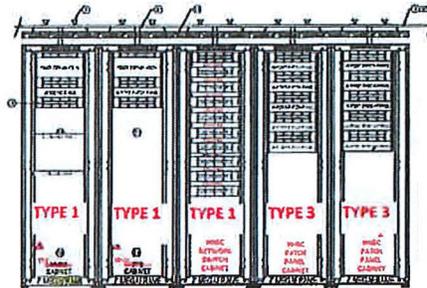
Project: TELEROOM ROOM DETAILS - OFFICE COMPLEX - COMMUNICATIONS
 Sheet: 6 of 6
 Date: 1/4-001

MDF ROOM 1.051



COLO ROOM 1.050





◀ TYPICAL ALL IDF ROOMS (LEVEL 1 NORTH TELECOM ROOMS, LEVEL 2-9 NORTH AND SOUTH TELECOM ROOMS)

JACOBS
Engineering Group, Inc.



DATA COMMUNICATIONS GROUP



NO.	REVISION	DATE

TFC - NORTH AUSTIN COMPLEX
(TFC - MAC)
TEXAS FACILITIES COMMISSION
1711 SAN JACINTO BLVD.
AUSTIN, TEXAS 78751

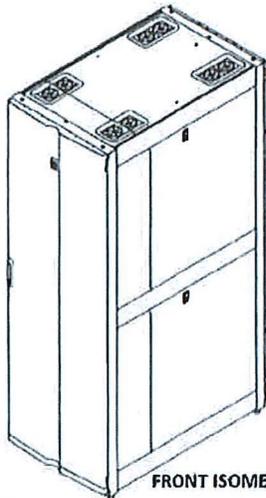
TELECOM ROOM DETAILS -
OFFICE COMPLEX -
COMMUNICATIONS
174-003

THIS DRAWING CONTAINS INFORMATION THAT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE BY THE DRAWING OR THE INFORMATION IS EXCEPT AS NOTED TO THE LEFT OF THE DRAWING.

TYPE 2
Carrier Cabinet
ALL CABINETS IN THE MDF (TELECOM ROOM 1.051)

REMOVE PDUS FROM THESE CABINETS

In lieu of finger management, provide D-Ring in cabinets. CMPHHF1+CMPHH2 for these. 18ct 1RU managers and N-1B 2RU managers (N being number of switches.) The number of switches will be 98.



FRONT ISOMETRIC VIEW



REAR ISOMETRIC VIEW

NOTES:

1. THIS DRAWING GENERATED PER SELECTIONS MADE THROUGH CPI LIVE CONFIGURATOR
2. ENGINEERING DOCUMENTATION REVIEWED UPON RECEIPT OF ORDER
3. DRAWING IMAGES IN THIS PACKAGE ARE CONCEPTUAL AND ARE NOT EXPECTED TO PROVIDE AN EXACT REPRESENTATION OF THE COMPLETED CPI PRODUCT
4. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THE PRODUCTS CPI DOES NOT ACCEPT LIABILITY FOR ANY ERRORS OR OMISSIONS AND RESERVES THE RIGHT TO CHANGE INFORMATION AND DESCRIPTIONS OF LISTED SERVICES AND PRODUCTS

ISS	REVISION	DATE	APPROVED	BY
	DESCRIPTION		CPV	DVS

QUOTE DESCRIPTION:

- FRAME, 6 SLIDEX45UX700WX1100D
- BLACK
- SQUARE PUNCHED RAILS WITH 4X CABLE PORT OPENINGS -INCLUDES RAIL GROMMET KIT (1)
- TOP PANEL, NETWORK, ONE-PIECE, WITH 4X GROMMETS
- STANDARD CASTER AND LEVELER KIT
- GLOBALFRAME PERF METAL CURVED DOOR -INSTALL FRONT
- SINGLE POINT KEYED LOCK -INSTALL FRONT
- DOUBLE PERFORATED METAL FLAT DOOR -INSTALL REAR
- THREE POINT KEYED LOCK -INSTALL REAR
- STANDARD SOLID SIDE PANEL -INSTALL LEFT
- STANDARD SOLID SIDE PANEL -INSTALL RIGHT
- ADJUSTABLE AIR DAM KIT FOR USE WITHOUT FULL-DEPTH BOTTOM PANEL
- (2) ~~SHORT FINGER MANAGER WITH NO DOOR~~ -INSTALL: FRONT LEFT RAIL-FRONT RIGHT RAIL
- (2) SINGLE FULL HEIGHT PDU BRACKET, 2.2 IN WIDE -INSTALL: REAR LEFT-REAR RIGHT
- ~~(1) 1 150C2 VERTICAL ECONNECT BASIC PDU WITH LC 20P INPUT PLUG AND LOCKING OUTLETS, IEC 320 C13(14) IEC 320 C15(16), BREAKERS (1 X 2P-20A) -INSTALL LEFT~~
- ~~(1) 1 150C2 VERTICAL ECONNECT BASIC PDU WITH LC 20P INPUT PLUG AND LOCKING OUTLETS, IEC 320 C13(14) IEC 320 C15(16), BREAKERS (1 X 2P-20A) -INSTALL RIGHT~~
- (1) STANDARD DUAL TWO PIECE PDU BRACKET, 3.9 IN WIDE
- COMMON PARTS KIT, GF, NON-UL
- PACKAGING KIT

SEE SHEET 2 & 3 FOR ADDITIONAL DRAWING VIEWS

ALL DIMENSIONS UNLESS SPECIFIED ARE IN INCHES
DIMENSIONS ARE REFERENCE ONLY SEE SPECIFIED DIMENSIONS ON DRAWING
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
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CPI STATEWORTH PRODUCTS, INC.

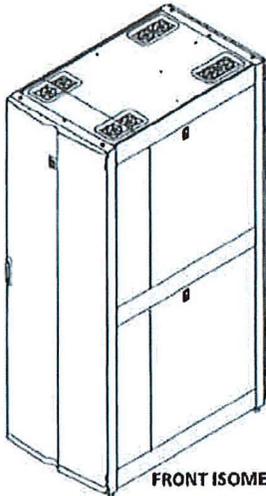
GF, 6SL, BK
700Wx1100Dx45U
SQ, PM/DPM

Part C MIS-TSP1517783
SCALE: 1:12.571 SHEET 1 OF 3

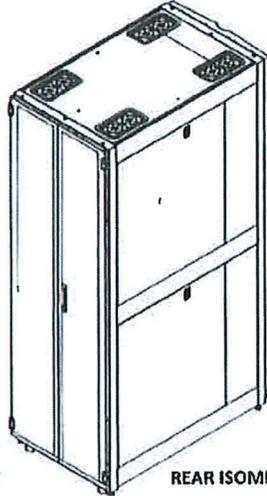
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TYPE 3 (PATCH)
~~Standard Cabinet~~
THESE ARE LOCATED IN THE COLO (ROOM 1.050), THE LEVEL 1 NORTH TELECOM ROOM AND ALL THE LEVEL 2-9 TELECOM ROOMS

In lieu of finger management, provide D-Ring in cabinets. CMPHHF1+CMPHH2 for these. 18ct 1RU managers and N-18 2RU managers (N being number of switches.) The number of switches will be 98.



FRONT ISOMETRIC VIEW



REAR ISOMETRIC VIEW

NOTES:

1. THIS DRAWING GENERATED PER SELECTIONS MADE THROUGH CPI LIVE CONFIGURATOR
2. ENGINEERING DOCUMENTATION REVIEWED UPON RECEIPT OF ORDER
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REV	DESCRIPTION	DATE	APPROVED	CHK	DWG

QUOTE DESCRIPTION:

- FRAME, 6 SLIDEX45UX700WX1100D
- BLACK
- SQUARE PUNCHED RAILS WITH 4X CABLE PORT OPENINGS -INCLUDES RAIL GROMMET KIT (1)
- TOP PANEL, NETWORK, ONE-PIECE, WITH 4X GROMMETS
- STANDARD CASTER AND LEVELER KIT
- GLOBALFRAME PERF METAL CURVED DOOR -INSTALL FRONT
- SINGLE POINT KEYED LOCK -INSTALL FRONT
- DOUBLE PERFORATED METAL FLAT DOOR -INSTALL REAR
- THREE POINT KEYED LOCK -INSTALL REAR
- STANDARD SOLID SIDE PANEL -INSTALL LEFT
- STANDARD SOLID SIDE PANEL -INSTALL RIGHT
- ADJUSTABLE AIR DAM KIT FOR USE WITHOUT FULL-DEPTH BOTTOM PANEL
- (2) ~~SHORT FINGER MANAGER WITH NO DOOR~~ -INSTALL: FRONT LEFT RAIL-FRONT RIGHT RAIL
- (1) STANDARD DUAL TWO PIECE PDU BRACKET, 3.9 IN WIDE
- COMMON PARTS KIT, GF, NON-UL
- PACKAGING KIT

HORIZONTAL CABLE MANAGERS SHOWN ON THE ATTACHED ELEVATIONS TO BE PROVIDED BY WALKER

SEE SHEET 2 & 3 FOR ADDITIONAL DRAWING VIEWS

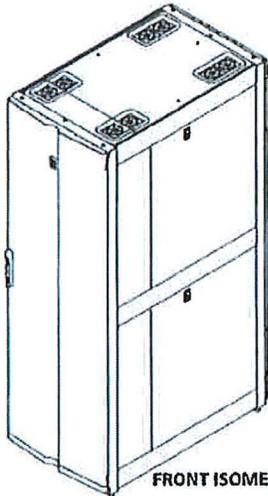
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS SHOWN ARE IN INCHES (FRACTIONS) UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS (DECIMALS) DIMENSIONS IN PARENTHESES ARE FOR REFERENCE ONLY
 1/8" = 3.175mm
 1/4" = 6.350mm
 3/8" = 9.525mm
 1/2" = 12.700mm
 5/8" = 15.875mm
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 9 1/2" = 241.500mm
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 40 7/8" = 1112.025mm
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 45 3/8" = 1309.325mm
 45 1/2" = 1312.500mm
 45 5/8" = 1315.675mm
 45 3/4" = 1318.850mm
 45 7/8" = 1322.025mm
 46" = 1347.800mm
 46 1/8" = 1352.175mm
 46 1/4" = 1354.350mm
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 48" = 1449.800mm
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 49 1/2" = 1520.300mm
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 54 1/2" = 1882.500mm
 54 5/8" = 1885.675mm
 54 3/4" = 1888.850mm
 54 7/8" = 1892.025mm
 55" = 1963.800mm
 55 1/8" = 1968.175mm
 55 1/4" = 1970.350mm
 55 3/8" = 1973.525mm
 55 1/2" = 1976.700mm
 55 5/8" = 1979.875mm
 55 3/4" = 1983.050mm
 55 7/8" = 1986.225mm
 56" = 2067.400mm
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 56 1/4" = 2073.950mm
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 56 1/2" = 2080.300mm
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 56 3/4" = 2086.650mm
 56 7/8" = 2089.825mm
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 57 1/2" = 2212.700mm
 57 5/8" = 2215.875mm
 57 3/4" = 2219.050mm
 57 7/8" = 2222.225mm
 58" = 2387.800mm
 58 1/8" = 2392.175mm
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 61" = 3451.800mm
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 61 1/4" = 3458.350mm
 61 3/8" = 3461.525mm
 61 1/2" = 3464.700mm
 61 5/8" = 3467.875mm
 61 3/4" = 3471.

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TYPE 4 TFC AND HHSC

~~TFC/HHSC Cabinet~~
THESE ARE LOCATED IN THE LEVEL 1 COLO ROOM 1.050

In lieu of finger management, provide D-Ring in cabinets. CMPHF1+CMPHH2 for these. 18ct 1RU managers and N-18 2RU managers (N being number of switches.) The number of switches will be 98.



FRONT ISOMETRIC VIEW



REAR ISOMETRIC VIEW

NOTES:

1. THIS DRAWING GENERATED PER SELECTIONS MADE THROUGH CPI LIVE CONFIGURATOR
2. ENGINEERING DOCUMENTATION REVIEWED UPON RECEIPT OF ORDER
3. DRAWING IMAGES IN THIS PACKAGE ARE CONCEPTUAL AND ARE NOT EXPECTED TO PROVIDE AN EXACT REPRESENTATION OF THE COMPLETED CPI PRODUCT
4. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THE PRODUCTS CPI DOES NOT ACCEPT LIABILITY FOR ANY ERRORS OR OMISSIONS AND RESERVES THE RIGHT TO CHANGE INFORMATION AND DESCRIPTIONS OF LISTED SERVICES AND PRODUCTS

REV	DESCRIPTION	DATE	APPROVED CMC	ENG

QUOTE DESCRIPTION:

- FRAME, 6 SLIDE X 45U X 700W X 1100D
- BLACK
- SQUARE PUNCHED RAILS WITH 4X CABLE PORT OPENINGS - INCLUDES RAIL GROMMET KIT (1)
- TOP PANEL, NETWORK, ONE-PIECE, WITH 4X GROMMETS
- STANDARD CASTER AND LEVELER KIT
- GLOBAL FRAME PERF METAL CURVED DOOR - INSTALL FRONT
- ECONNECT ELECTRONIC ACCESS CONTROL SINGLE POINT LOCK - INSTALL FRONT
- DOUBLE PERFORATED METAL FLAT DOOR - INSTALL REAR
- ECONNECT ELECTRONIC ACCESS CONTROL THREE POINT LOCK - INSTALL REAR
- STANDARD SOLID SIDE PANEL - INSTALL LEFT
- STANDARD SOLID SIDE PANEL - INSTALL RIGHT
- ADJUSTABLE AIR DAM KIT FOR USE WITHOUT FULL-DEPTH BOTTOM PANEL
- (2) ~~SHORT FINGER MANAGER WITH NO DOOR~~ - INSTALL: FRONT LEFT RAIL - FRONT RIGHT RAIL
- (2) SINGLE FULL HEIGHT PDU BRACKET, 2.2 IN WIDE - INSTALL: REAR LEFT - REAR RIGHT
- (1) P3-3DOAS - VERTICAL ECONNECT MONITORED PDU WITH LS-30P INPUT PLUG AND STANDARD OUTLETS: NEMA 5-15/5-20(24), BREAKERS (2 X 2P 20A) - INSTALL LEFT
- (1) ~~P3-3DOAS~~ - VERTICAL ECONNECT MONITORED PDU WITH ^{LS-20P} ~~LS-30P~~ INPUT PLUG AND STANDARD OUTLETS: NEMA 5-15/5-20(24), BREAKERS (2 X 2P 20A) - INSTALL RIGHT
- (1) STANDARD DUAL TWO PIECE PDU BRACKET, 3.9 IN WIDE
- COMMON PARTS KIT, GF, NON-UL
- PACKAGING KIT

HORIZONTAL CABLE MANAGERS SHOWN ON THE ATTACHED ELEVATIONS TO BE PROVIDED BY WALKER

SEE SHEET 2 & 3 FOR ADDITIONAL DRAWING VIEWS

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS SHOWN ARE IN INCHES UNLESS NOTED OTHERWISE. DIMENSIONS ARE REFERENCED TO THE CENTERLINE UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO EDGE UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO CORNER UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO SURFACE UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO EDGE UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO CORNER UNLESS NOTED OTHERWISE. DIMENSIONS ARE TO SURFACE UNLESS NOTED OTHERWISE.

APPROVALS

DATE

CPI CREDITWORTH PRODUCTS, INC.

GF, 6SL, BK
700Wx1100Dx45U
SQ, PM/DPM

SCALE: 1/2" = 1'-0" SHEET 1 OF 3

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