

A G E N D A
WORK SESSION MEETING
City of Moberly
May 01, 2023
6:00 PM

Requests, Ordinances, and Miscellaneous

1. Public Hearing: 2023 Proposed Property Tax Rates.
2. Receipt Of Bids For New Dispatch Furniture and Motorola Radios For The Moberly Police Department And Moberly Fire Department.
3. An Application For Re-Zoning Lots 10 And 11, Block 9 Of Williams 2nd Addition (400 Block Of N 4th Street) From A B-3 (General Commercial District) To An R-3/PD (Multi-Family Dwelling District/Planned Development).
4. An Application For Re-Zoning Lots 18, 19, 20, 21, And 22, Block 9 Of Williams 2nd Addition (400 Block Of N 5th Street) From A R-3 (Multi-Family Dwelling District) To An R-3/PD (Multi-Family Dwelling District/Planned Development).
5. An Application For A Preliminary Plat Submitted By Nate Kohl On Behalf Of 3 Brothers Construction To Re-Plat For A New Planned Development Subdivision In The 400 Block Of North 4th And 5th St.
6. A Discussion Regarding A Moberly Detention Basin Project Increase in Budgeted Construction Costs.
7. A Discussion Regarding A Scope Of Services Agreement With BARR Engineering For Professional Services.
8. Park Board Appointments.

City of Moberly City Council Agenda Summary

Agenda Number: WS
 Department: City Clerk
 Date: May 1, 2023

Agenda Item: Public Hearing: 2023 Proposed Property Tax Rates.

Summary: 2023 Proposed Property Tax Rates.

Recommended

Action: Hold the Public Hearing on 5-15-2023.

Fund Name: N/A

Account Number: N/A

Available Budget \$: N/A

ATTACHMENTS:		Roll Call	Aye	Nay
<input type="checkbox"/> Memo	<input type="checkbox"/> Council Minutes	Mayor		
<input type="checkbox"/> Staff Report	<input type="checkbox"/> Proposed Ordinance	M__ S__ Brubaker	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Correspondence	<input checked="" type="checkbox"/> Proposed Resolution			
<input type="checkbox"/> Bid Tabulation	<input type="checkbox"/> Attorney's Report	Council Member		
<input type="checkbox"/> P/C Recommendation	<input type="checkbox"/> Petition	M__ S__ Lucas	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> P/C Minutes	<input type="checkbox"/> Contract	M__ S__ Jeffrey	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Application	<input type="checkbox"/> Budget Amendment	M__ S__ Kyser	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Citizen	<input type="checkbox"/> Legal Notice	M__ S__ Kimmons	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Consultant Report	<input type="checkbox"/> Other _____		Passed	Failed

Notice of Public Hearing

A Public Hearing will be held at 6:00 p.m. May 15, 2023, in the City Council Chambers at City Hall, 101 West Reed Street at which time citizens may be heard on the property tax rates proposed to be set by the City of Moberly, a political subdivision. The tax rate shall be set to produce the revenue which the budget for Fiscal Year 2023-2024 shows to be required from the property tax.

Each tax rate is determined by dividing the amount of revenue required by the current assessed valuation. The result is multiplied by 100 so the tax rate will be expressed in cents per \$100 valuation.

<u>ASSESSED VALUATION</u>	<u>2022</u>	<u>Est. 2023</u>
Real Estate	118,399,650.00	119,473,280.00
Personal	41,182,554.00	56,848,215.00
	<u>159,582,204.00</u>	<u>176,321,495.00</u>

<u>STATE ASSESSED</u>		
Real Estate	7,082,244.00	7,334,122.00
Personal	1,230,535.00	1,219,156.00
	<u>8,312,779.00</u>	<u>8,553,278.00</u>

TOTAL ASSESSED	167,894,983.00	184,874,773.00
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	Amount of Property Tax Revenue Budgeted for 2023	Proposed Tax Rate (Per \$100.00) for 2023
<u>FUNDS</u>		
General Fund	1,283,227.45	0.7294
Parks and Recreation	595,520.28	0.3385
	<u>1,878,747.73</u>	<u>1.0679</u>

These rates are based on the last assessed valuations made available by the Randolph County Assessor.

Moberly City Council
Shannon Hance, City Clerk

Publish April 19, 2023
Affidavit Needed

City of Moberly City Council Agenda Summary

Agenda Number: _____
Department: Police
Date: May 1, 2023

Agenda Item: Receipt Of Bids For New Dispatch Furniture and Motorola Radios For The Moberly Police Department And Moberly Fire Department.

Summary: Moberly Police completed applications for RESCUE ACT FUNDS from Randolph County Missouri for three projects to improve radio communication capabilities for Moberly Police and the Moberly Joint Dispatch Center. Request for bids for new portable radios for Police and a new third position MC7500 radio console for dispatch were requested from Motorola. Under Sec. 2-435, *single-source purchases*, only Motorola was asked for bids for these radios as the Police Department only utilizes Motorola radio equipment and has found Motorola Radios outperform their competitors. The department currently has an MC7500 base radio and only an MC7500 radio would be compatible for a third position. SCG Consulting Services LLC was contracted by Randolph County to oversee the county wide radio upgrade project and was in direct contact with Motorola to ensure we received the best prices possible and put out the RFP for new dispatch furniture for Moberly Joint Communications. Four vendors (Xybix, Adaptaspace, Watson and DTS) submitted proposals with Watson and DTS submitting two proposals.

Recommended Action Approve the request.

Fund Name:

Account Number:

Available Budget \$:

ATTACHMENTS:		Roll Call	Aye	Nay
<input type="checkbox"/> Memo	<input type="checkbox"/> Council Minutes	Mayor		
<input checked="" type="checkbox"/> Staff Report	<input type="checkbox"/> Proposed Ordinance	M___ S___ Brubaker	___	___
<input type="checkbox"/> Correspondence	<input type="checkbox"/> Proposed Resolution	Council Member		
<input type="checkbox"/> Bid Tabulation	<input type="checkbox"/> Attorney's Report	M___ S___ Jeffrey	___	___
<input type="checkbox"/> P/C Recommendation	<input type="checkbox"/> Petition	M___ S___ Kimmons	___	___
<input type="checkbox"/> P/C Minutes	<input type="checkbox"/> Contract	M___ S___ Lucas	___	___
<input type="checkbox"/> Application	<input type="checkbox"/> Budget Amendment	M___ S___ Kyser	___	___
<input type="checkbox"/> Citizen	<input type="checkbox"/> Legal Notice			
<input type="checkbox"/> Consultant Report	<input type="checkbox"/> Other _____		Passed	Failed

Proposal: 00043163

Moberly Police Dept

Contact: Bobbie Smith

Phone: 6602630346

Email: bsmith@moberlypd.com

Watson Factory Rep Firm: DICK BUSS & ASSOCIATES

Sales Person: Dick Buss

Phone: 6089872100

CONSOLE PLAN 01 - (3) MERCURY PRO CONSOLES - 78" WIDE

Each Position Includes:

42" High Screens w/ 12" High Tinted Acrylic (54" Total Height)

Electronically Height Adjustable Worksurface with Manual Focal Depth Adjustment

Electronically Height Adjustable Monitor Array with Focal Depth Adjustable Monitor Arms - Configuration Per Drawings

Environment Control Package - Includes Forced Air Heat, Cooling Fans, LED Ambient Lighting & Dimmable LED Task Lighting

In-Dash 110V AC Power Outlets

Technology Cabinet with Pull Out Shelf & Active Ventilation to Accommodate (2) PCs

Technology Bridge With Active Ventilation Accommodate (3) Small Format PC's - NO taller than 15"

Grounding Bar Kit

(2) Speaker Brackets - Array Mounted

(1) Headset Adapter Bracket

Seating

(12) Technology Ports: (6) USB-A, (2) CAT6/RJ45, (2) 3.5mm, (1) RJ11/RJ12 & (1) USB Charger

Installation

Type of Site – empty room

Pre-Installation Site Prep – none

Location – 1st floor

Prevailing Wage or Union – no

MATERIAL SURCHARGE: Watson has implemented a materials surcharge on orders received after May 1, 2022 . This charge is 5% of net and will be noted on your acknowledgement. Thank you for your understanding during this turbulent supply and transportation era.

1. State and Local Taxes will apply unless proof of exemption is provided with the Purchase Order.
2. Deposit may be required with order; Net 30 days of Shipment of Product.
3. Chairs, platforms, rails etc are for representational purposes only.
4. Customer is responsible for verification of room dimensions.
5. Completed Order consists of a signed Contract or Purchase Order and completed Final Signoff package
6. Change Order Fee (minimum \$500) may be applicable for changes after 5 business days of submission.
7. Pricing will be valid for four (4) months after receipt of Purchase Order.
8. Lead time based on product type and order size. Check with your sales associate upon ordering.

Quote Date 3/15/2023	Expiration Date 6/15/2023	Watson Account Manager: Lisa Dotterweich	www.watsonconsoles.com
This Document is Confidential & Proprietary (C) 2022 Watson Furniture Group, Inc. All Rights Reserved		Prepared By:	360.394.1300

Bill of Material

Project: Moberly Police Dept



Sold to

Company name: Moberly Police Dept.
 Contact Person: Bobbie Smith
 Contact Phone: 6602630346
 Contact Fax:

Distributor

Company name: DICK BUSS & ASSOCIATES
 Salesperson: Dick Buss
 Salesperson Phone: 6089872100
 Salesperson Fax: 6083452104

#	Qty	Part Number	Description	Sell	Ext. Sell
Main 01					
1	15	0000388	CABLE,HDMI,W/ETHERNET,25' (EA)	\$36.00	\$540.00
2	1	DAGR	GROMMETS - SET OF FIVE	\$24.75	\$24.75
3	3	HD6H153918L-N	MERCURY PRO HUB, 15"D x 39"W x 18"H, LEFT HAND, NO GROMMET	\$1,809.00	\$5,427.00
4	1	HD6H153918R-N	MERCURY PRO HUB, 15"D x 39"W x 18"H, RIGHT HAND, NO GROMMET	\$1,809.00	\$1,809.00
5	2	HD6H245118R-G	MERCURY PRO HUB, 24"D x 51"W x 18"H, RIGHT HAND, WITH GROMMET	\$2,094.75	\$4,189.50
6	3	HD6W3678D	MERCURY PRO WORKSURFACE WITH DEPTH ADJUSTMENT, 36"D x 78"W x 24-50"H, WITH CONTOUR EDGE, DUAL TIER ARRAY	\$5,589.00	\$16,767.00
7	2	HG6TS78G	MERCURY TECH BRIDGE, SINGLE SIDED 12" D X 18"H, FOR A 78"W CONSOLE, WITH GROMMET	\$632.25	\$1,264.50
8	1	HG6TS78N	MERCURY TECH BRIDGE, SINGLE SIDED 12" D X 18"H, FOR A 78"W CONSOLE, NO GROMMET	\$607.50	\$607.50
9	6	HGA	MERCURY ARRAY	\$1,147.50	\$6,885.00
10	2	HGBS1518D-L	MERCURY BRIDGE SPACER, 15"D x 18"H DUAL, LEFT HAND	\$49.50	\$99.00
11	1	HGBS1518D-R	MERCURY BRIDGE SPACER, 15"D x 18"H DUAL, RIGHT HAND	\$49.50	\$49.50
12	1	HGBS1518S-L	MERCURY BRIDGE SPACER, 15"D x 18"H SINGLE, LEFT HAND	\$49.50	\$49.50
13	1	HGBS2418D-R	MERCURY BRIDGE SPACER, 24"D x 18"H DUAL, RIGHT HAND	\$72.00	\$72.00
14	1	HGBS2418S-R	MERCURY BRIDGE SPACER, 24"D x 18"H SINGLE, RIGHT HAND	\$72.00	\$72.00
15	3	HGSOCBKT42L	MERCURY OUTSIDE CORNER BRACKET, 42"H	\$27.00	\$81.00
16	3	HGSOCBKT42R	MERCURY OUTSIDE CORNER BRACKET, 42"H	\$27.00	\$81.00
17	4	HGSR3954FAS	MERCURY RETURN SCREEN, FABRIC AND TINTED ACRYLIC, 39"W X 54"H,	\$720.00	\$2,880.00
18	2	HGSR5154FAS	MERCURY RETURN SCREEN, FABRIC AND TINTED ACRYLIC, 51"W X 54"H,	\$751.50	\$1,503.00
19	3	HGSS7854FAS	MERCURY SPINE SCREEN, FABRIC AND TINTED ACRYLIC, 78"W X 54"H,	\$1,179.00	\$3,537.00
20	3	HGTB242024R	MERCURY TECHNOLOGY BASE, 24"D x 20"W x 24"H, RIGHT HAND	\$1,107.00	\$3,321.00
21	4	HHC1518	MERCURY HUB COVER, 15"D x 18"H	\$36.00	\$144.00
22	3	TXX4X6GROUND	MERCURY, GROUND BAR KIT 4" X 6"	\$94.50	\$283.50
23	6	TXXSPKBKT	SPEAKER BRACKET, ARRAY MOUNT	\$22.50	\$135.00
24	3	TXXTECHAUDBKT	HEADSET JACK MOUNT BKT, BLACK	\$49.50	\$148.50
25	2	TXXTECHAUDIO25	TECH LINK, STEREO AUDIO JACK, (3.5mm CONNECTOR SIZE) - Black, 25Ft	\$25.00	\$50.00
	4	TXXTECHAUDIO25	TECH LINK, STEREO AUDIO JACK, (3.5mm CONNECTOR SIZE) - Black, 25Ft	\$25.00	\$100.00
26	2	TXXTECHDATA25	TECHLINK, DATA JACK (CAT6), RJ45, PASS THROUGH PANEL MOUNT - Black, 25 Ft	\$45.00	\$90.00
	4	TXXTECHDATA25	TECHLINK, DATA JACK (CAT6), RJ45, PASS THROUGH PANEL MOUNT - Black, 25 Ft	\$45.00	\$180.00
27	1	TXXTECHPH25	TECH LINK, PHONE JACK, (RJ11 / RJ12) - Black, 25Ft	\$20.00	\$20.00
	2	TXXTECHPH25	TECH LINK, PHONE JACK, (RJ11 / RJ12) - Black, 25Ft	\$20.00	\$40.00
28	1	TXXTECHUSB-CHG	TECH LINK, USB CHARGER INSERT	\$100.00	\$100.00
	2	TXXTECHUSB-CHG	TECH LINK, USB CHARGER INSERT	\$100.00	\$200.00
29	6	TXXTECHUSB15	TECH LINK, USB INSERT (TYPE A), FEMALE / FEMALE WALL PLATE COUPLER - Black, 15Ft	\$30.00	\$180.00
	12	TXXTECHUSB15	TECH LINK, USB INSERT (TYPE A), FEMALE / FEMALE WALL PLATE COUPLER - Black, 15Ft	\$30.00	\$360.00
30	1	WAKEY-STD	MASTER KEY, STANDARD LOCK (082000)	\$18.00	\$18.00
				Total Main 01	\$51,308.25

Bill of Material

Project: Moberly Police Dept



Sold to

Company name: Moberly Police Dept.
Contact Person: Bobbie Smith
Contact Phone: 6602630346
Contact Fax:

Distributor

Company name: DICK BUSS & ASSOCIATES
Salesperson: Dick Buss
Salesperson Phone: 6089872100
Salesperson Fax: 6083452104

#	Qty	Part Number	Description	Sell	Ext. Sell
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Subtotal Product	\$51,308.25
Material Surcharge (5 %)	\$2,565.41
Install	\$14,400.00
Breakdown and Removal	\$2,400.00
Freight	\$5,137.12
Qty (1) part 3142r1 High Back Black Staccato C-Loop Arms, Standard Base, 60MM casters	\$1,446.71
Qty (2) - part 3152 - Fabric with C-Loop Arms	\$3,380.00
Total	\$80,637.49

Acceptance

Randolph County Commission

Date

3/28/23

Billing Address:
 MOBERLY POLICE
 DEPARTMENT
 300 N CLARK ST
 MOBERLY, MO 65270
 US

Quote Date:02/19/2023
 Expiration Date:04/20/2023
 Quote Created By:
 John Briggs
 john.briggs@wirelessusa.com

 End Customer:
 MOBERLY POLICE DEPARTMENT
 Troy Link
 tlink@moberlypd.com
 660-263-0346

 Contract: 21810 - JOHNSON COUNTY
 (KS)

Line #	Item Number	Description	Qty	List Price	Sale Price	Ext. Sale Price
	APX™ 4000 Series	APX4000				
1	H51KDF9PW6AN	APX 4000 VHF MHZ MODEL 2 PORTABLE	35	\$2,332.00	\$1,399.20	\$48,972.00
1a	QA05751AA	ADD: NO ENCRYPTION, CLEAR RADIO (NO ADP) (US ONLY)	35	\$0.00	\$0.00	\$0.00
1b	H885BK	ADD: 3Y ESSENTIAL SERVICE	35	\$133.00	\$133.00	\$4,655.00
1c	Q811BR	ENH: SOFTWARE P25 CONVENTIONAL	35	\$650.00	\$390.00	\$13,650.00
2	NNTN8128C	BATT IMPRES LIION IP67 2000T	12	\$128.99	\$77.39	\$928.68
3	PMPN4284B	CHARGER DESKTOP MULTI-UNIT IMPRES 2 1 DISPLAY EXT PS 100-240VAC US/NA	1	\$707.40	\$424.44	\$424.44
4	PMPN4576A	CHARGER,CHGR DESKTOP SINGLE UNIT IMPRES EXT PS US/NA/TW	35	\$82.08	\$49.25	\$1,723.75
5	PMMN4069AL	MICROPHONE,IMPRES RSM, 3.5MM JACK, IP55	35	\$143.64	\$86.18	\$3,016.30

Grand Total
\$73,370.17(USD)


Any sales transaction following Motorola's quote is based on and subject to the terms and conditions of the valid and executed written contract between Customer and Motorola (the "Underlying Agreement") that authorizes Customer to purchase equipment and/or services or license software (collectively "Products"). If no Underlying Agreement exists between Motorola and Customer, then Motorola's Standard Terms of Use and Motorola's Standard Terms and Conditions of Sales and Supply shall govern the purchase of the Products.

Motorola Solutions, Inc.: 500 West Monroe, United States - 60661 ~ #: 36-1115800

Notes:

- Unless otherwise noted, this quote excludes sales tax or other applicable taxes (such as Goods and Services Tax, sales tax, Value Added Tax and other taxes of a similar nature). Any tax the customer is subject to will be added to invoices.





**Moberly Police Department
Emergency Communications Dispatch Console Furniture**

Bid Due: 2/17/2023 at 4 PM

**Moberly Police Department
Attn: Chief Troy Link
300 N. Clark Street · Moberly, MO 65270**



p: 303.683.5656 • tf: 800.788.2810
f: 303.683.5454 • Email: info@xybix.com

www.xybix.com

Introducing Xybix Systems, Inc.

Dave and Barry Carson founded Xybix Systems, Inc., to develop ergonomic furniture solutions that improve the health and productivity of employees in 24/7 mission critical environments. We listened to actual users as we designed patented solutions that address customer needs, thereby gaining Xybix a reputation as the innovative leader in state-of-the-art consoles, workstations, and imaging desks. Xybix was founded in June 1991 and is in Littleton, Colorado, where we employ 80 people.

Xybix has served more than 11,000 organizations across North America, specializing in 911 dispatch centers, command & control centers, and healthcare environments. We perform manufacturing in-house, and our professional engineers, interior designers and installers all are-invested in the long-term success of your project. Our experienced staff seeks to understand your equipment, processes, and culture to truly meet your needs.

True to our roots, Xybix partners with customers throughout the process, from making selections, designing the room, installing the consoles, and providing ongoing service. As a family business with our reputations on the line, we provide the same mindfulness to every project, big or small. When working with us, you can expect:

- A dedicated professional assigned to you at each phase of the project
- Durable furniture that complies with Business Institutional Furniture Manufacturers Association (BIFMA) standards
- Consoles that exceed ergonomic standards set by ANSI to guarantee employee comfort and safety
- Individual CAD drawings so you can envision all the equipment and furniture consoles to scale
- Two patents US5495811A and US7878476
- Planning for proper electrical distribution
- Identifying cable pathways and datacom ports
- Knowledgeable assistance with selecting colors, finishes, IT options and more
- Assurance that furniture meets environmental and sustainability standards
- Space plans that allow for good circulation

- Planning for future upgrades and expansions with workflow, ADA, and fire code requirements in mind

Xybix consoles installed more than 20 years ago are still going strong, giving us the confidence to offer the best [warranty](#) in the industry. Our 10-Year Premier Plus Warranty is backed by live customer service agents available 24/7 and highly experienced craftsmen at the ready for repairs. Xybix is honored to serve customers who serve others, and we are here anytime you need advice, answers, or support.

Note: Xybix Systems, Inc., was originally- founded as ErgoFlex Systems, Inc. The company is owned by the Carson family and has never been in foreclosure or receivership nor will it be poised for sale to Private Equity.

Sincerely,



Kenneth R Carson
Owner
Xybix

SECTION 3.0 - SPECIFICATIONS

Bidders are requested to indicate their understanding and compliance by entering YES or NO under each statement and providing any additional EXPLANATION as deemed necessary.

3.1 Overview

Public Safety/Emergency Communication Centers pose unique challenges and demands. Unlike an office environment, emergency communications personnel are required to manage multiple screens of information simultaneously, plus additional ancillary rack mount electronics. Additionally, emergency communications consoles are utilized 24 hours per day/ 7 days per week by many different employees, with many different physical sizes and needs. It must be recognized that this user environment will receive at least five times the use of typical office furniture each year. With this in mind, only console furniture that is specifically designed and engineered for Emergency Communication Centers will be acceptable. Office furniture systems will not be considered.

The following specifications detail the minimum requirements of the Console Furniture System. Bidders must provide a point-by-point technical response stating compliance or taking exception.

3.02 Console Modularity

The furniture must be provided from standard, previously manufactured items that have the capability of adding on to or re-configuring at a later date. Any add-on sections, such as bridges, peninsulas, and returns must be included.

Understood/Comply	yes	Explanation:
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3.03 Ergonomics

A minimum of six (6) 24-inch flat panel displays at each console must be mounted to integrated monitor supports that are secured to the sit to stand section for optimal flexibility. Adjustments must be able to be accomplished from the seated position in order to meet ADA requirements. Monitor mounts must feature multiple points of rotation allowing multiple monitors to maintain a single focal length for viewer’s eyes with a range of motion. **Refer to the desired monitor layouts in Exhibit A.**

To reduce the incidence of repetitive stress injuries, the console furniture must provide height adjustable input platforms. The engineering of the console furniture must offer comfort, safety and adjustability for the operator. The console vendor shall include statement of compliance with ANSI/HFES 2007, and ADA guidelines and requirements.

Understood/Comply	yes	Explanation:
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3.04 Structural Integrity

The console furniture shall be designed specifically for 24/7 operations in an Emergency Communication Center environment. The core serves as the primary structural foundation for the console system and must carry a minimum load rating of 1000-lbs. The console must be sturdy enough to mount all electronic accessories, including monitors, without compromising the integrity of the system. The structure should be free standing and not rely on walls for support.

Understood/Comply	yes	Explanation:
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3.05 Technology

At a minimum each console must be designed to accommodate **five (5) CPUs**, the Electronics cavity storage provided for CPU equipment and cable routing must keep the knee space below the consoles unobstructed to allow dispatchers a full range of movement to reach necessary equipment. The Vendor will also provide 6' extension cables for the monitors, keyboards and mouse at each workstation for up to five (5) CPU's. Access to all sides of each CPU must be provided from the front of the console. Preference will be given to furniture with roll-out shelves to accommodate the workstation CPU's. Cavities must have fan air circulation. Cabling chases must be designed for ease of access and incorporation of additional runs to meet future needs.

CPU List & Sizes

CPU #	Use	Dimensions (Depth x Width x Height)
1	Radio	Mid Tower Cabinet - 12" D X 6" W x 13" H
2	911	Mid Tower Cabinet - 12" D X 6" W x 13" H
3	CAD	Mid Tower Cabinet - 12" D X 6" W x 13" H
4	Admin	Mid Tower Cabinet - 12" D X 6" W x 13" H
5	Spare	Spare

Understood/Comply	yes	Explanation:
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3.06 Environmental Controls

The proposal shall describe all available environmental control options and list the costs associated with each, including, but not limited to adjustable task lighting, indirect lighting, heating, cooling, filtered airflow, sound masking system, and primary and input surface height adjustments. Environmental controls must all be readily accessible from a seated position and meet ADA requirements. User replaceable air filters should be provided for the entire standard warranty period.

Understood/Comply	yes	Explanation:
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3.07 Acoustical Console Walls

All equipment, material and articles requested under this specification are to be new or fabricated from new materials. The use of used, remanufactured, or rebuilt products is not allowed under this specification. Acoustical walls shall be constructed with a high density, fire resistant, sound absorbing subsurface. Edges of these partitions shall be durable and replaceable. All fasteners must be completely concealed. Leveling glides shall be an integral part of the system to accommodate uneven floors.

Understood/Comply	yes	Explanation:
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3.08 Surfaces

All primary work surfaces, input platforms, and extension surfaces shall be constructed of durable materials that will withstand the 24-hour use environment of an Emergency Communication Center. Primary work surfaces and extensions shall include cable drop areas for access into the fixed electronics cavities. All edges must be treated in a replaceable high impact edging material.

a. Monitor Surfaces & Monitor Mounting Structure

The monitor mounting surface and structure should be height adjustable with smooth, quiet motorized control. The operator must be able to make all monitor adjustments from either a standing or sitting position. At least one inch safety clearance between all moveable and fixed surface is required. A safety system should be in place to prevent accidental lowering of the unit when it is taken off-line for service. Proposers are encouraged to propose the ability for users to quickly adjust monitor and keyboard surfaces to personally present heights.

These surfaces must be non-porous, non-glare and of high pressure laminate or solid surface materials of standard color (meaning items readily available or no "special order" materials). Surfaces should be mark, stain and scuff resistance and easy to maintain and clean. All corners and edges will be rounded and properly finished in similar solid surface materials.

The surface and/or monitor mounting structure must be able to be pulled forward or pushed back for operator comfort. There is no preference for this capability to be motorized or non-motorized. The unit must be able to accommodate up to six (6) 24-inch monitors without obstructing the view. The monitor surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface and mounting structure must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weights of the surface and components. Additionally we encourage the proposer to address considerations of bracket rack mounted monitors, possible dual stacked, fixed mounted and/or articulating arms.

b. Keyboard Surface

The keyboard surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weight of the surface and components. The keyboard surface must accommodate two standard-size keyboard and one keypad for telephone functions and meet or exceed ANSI/HFES requirements.

Understood/Comply	yes	Explanation:
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3.09 Pedestals and Accessories

Drawer hardware must be full extension, precision ball bearing construction with a minimum 100 lb. load rating per drawer. All file drawers must have built-in hanging file capability. All doors must include full articulation door hardware to accommodate uneven floors. The pedestals shall be finished on all sides for use outside the console, and be equipped with dual-wheel front-locking casters. Cushion seating should be available as options and should be rated for 300 lbs. At a minimum, the following options should be made available:

- Bookcases
- File Drawers
- Box Drawers
- Lateral File Drawers

3.10 Edge Material

Replaceable vinyl edging material shall be a minimum 2mm thick thermoplastic vinyl extrusion with self-healing properties against abrasion for all undercarriage, pedestals, and primary surfaces, and a minimum 13mm thick for all input platforms.

Understood/Comply	no	Explanation:
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4 years ago replacing it with our 3-D laminate. The 3 D Laminate replaces the traditional flat laminate on particle board with the rubber bumper attached to that. 3-D laminate eliminates the seam between the surface and edge. The 3-D laminate completely encapsulates the MDF board to make a solid one-piece surface. It is easier to wipe down and clean with no seams.

3.11 Equipment Enclosures

Equipment enclosures must include EIA mounting rails front and rear. Each console should include at a minimum 4 racks each 19" deep X 22"wide X 8" high. Blank faceplates accenting or matching surrounding finish must be included with each rack. At a minimum, the following options should be made available:

- Interior task lighting to equipment cabinetry
- Access to CPUs/cabling from front and back
- Quiet blowing ventilation for equipment cabinetry

Understood/Comply	yes	Explanation:
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3.12 Laminates

High pressure must meet ANSI/ASME A 17.1; 1986 requirements for Class "B" laminate, providing a non-glare matte finish. Thermally Fused Laminate must meet NEMA LI-1-1998. Low Pressure Laminate is not acceptable.

Understood/Comply	yes	Explanation:
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3.13 Fabric

Abrasion resistance at a minimum shall meet ASTM D-3597 MVPTS-198 standards. The flammability requirements shall adhere to ASTM E-84 (Tunnel Test) or Class A or 1 and the State of California Technical Bulletin 117 Sec. E (SC-191-53).

Understood/Comply	yes	Explanation:
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3.14 Sit to Stand Base and Input Platform

The following specifications shall apply to the Console Furniture base and keyboard platform.

a. Primary Surface

Components shall be UL listed. The motor/gear drive system must have a 700 lb. gross weight-lifting capacity, including the surface, input platform, and input platform mechanism. Design must accept uneven load distribution. Range of travel will need to accommodate a low of 24-inches to a high of 46-inches, infinitely adjustable within the 22-inch range.

b. Input Platform

The Input Platform shall be designed to provide un-obstructed knee clearance in the seated operating position in accordance with ANSI standards. Platform must be tested to 250 lbs. Input Platform must be secured to the primary surface by metal-to-metal connection utilizing steel plates and bolts, no wood screws will be acceptable.

c. Unified Frame

Sit-to-stand base must be designed with a footprint to allow maximum stability based on the overall size of the Flat Screen primary surface. The entire console must be tied together so that there will be no movement of the primary surface away from the remainder of the console. It must meet ANSI/HFS standards and ADA requirements for foot and leg clearance. There must not be any obstructions for side-to-side movement within the footprint of the console. Leveling glides shall be an integral part of the system to accommodate uneven floors.

d. Adjustments

All adjustments for the sit-to-stand base and input platform shall be attained from the front of the input platform or the front of the primary surface and shall be able to be adjusted from either the seated or standing position with the use of one hand to meet ADA requirements.

Understood/Comply	yes	Explanation:
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3.15 Electrical and Cable/Wire Management

Every console must include an electrical system to be connected to the building's electrical and grounding systems with a **minimum of 24 AC outlets** configured to accommodate power transformer plugs.

Each console must include options for user-accessible voice and data connections. All data and voice paths must be completely segregated from the power management systems. Each console shall have a **minimum of 6 data/voice outlet boxes**.

As an integral part of the cable management, the Vendor shall include a minimum **twenty-four (24) port patch panel** that will allow for the connection of up to twelve (12) ethernet cables from the 911/radio IT room to the electronic components installed into the furniture.

A cable management system must be provided that allows for independent movement among the monitor and keyboard surfaces. The system must minimize the wear and tear on the traveling cables by keeping them separated as well as enclosed. No operator intervention is to be required. The proposer is to provide all cable management within, under and on the console.

Cavity illumination should be offered as an option.

Understood/Comply	yes	Explanation:
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3.16 Task Lighting

Ambient light levels will be very dim and task lighting incorporated in the consoles will be the primary source of lighting for dispatchers and call takers. Lighting solutions must provide 100% of the required light at each workstation and provide user controlled, infinite dimming variability. Please specify the lighting you will supply. Provide its expected life and rated lumen output. Also list and price any other lighting options you have available under a "Lighting Options" section.

Understood/Comply	yes	Explanation:
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3.17 Headsets/Speakers

Each console must support dual headset jacks for both radio and telephone. Describe how your console will accommodate that. Also, small cube speakers with individual power supplies for selected and unselected radio traffic needs to be accommodated on the console surface. Describe how this would be accomplished.

Understood/Comply	yes	Explanation:
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3.18 Storage Cabinets

Each console will be equipped with additional drawer units for storage of personal items and work items at the various positions. The cabinet would be able to be housed under the keyboard and monitor surfaces while they are in the fullest downward position, or to the side. The drawers should match the color and design of the console. Describe your offering.

Understood/Comply	yes	Explanation:
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3.19 Resource Storage

Describe the option to provide an easily accessible cabinet to store resource materials. These could be books of procedures or maps of campus areas. Multiple consoles would share these resources, depending upon room layout.

Understood/Comply	yes	Explanation:
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3.20 Accessories

Vendor shall offer a full complement of accessories to be available including:

- Environmental controls
- Cooling Capability (per workstation)
- Heating Capability (per workstation)
- Task Lighting (per workstation)
- Interior PC Cavity Lighting (per workstation)
- Foot Rests (per workstation)
- Wrist Rests (per workstation)
- Call Status Indicator Light
- Workstation Accent Lighting (side panels and under work surface)
- Shared Storage Solutions

Understood/Comply	yes	Explanation:
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3.21 Design Considerations

Each Vendor must submit a floor plan to scale, showing each item being proposed. In addition, perspective drawings will be required in the submittal with dimensions of height, width, and depth in order to determine compliance with the specifications. All accessories being proposed must be shown in these drawings. Customer provided electronics such as flat Screens, telephones, CPUs, and rack mount panels must be shown, to scale, in the 3-dimensional/perspective drawings. Labeled cut away or exploded illustrations of acoustical walls, primary surface, and sit to stand base should be included.

Colors are to be selected from manufacturer’s standards. At a minimum one full set of laminate, edge, and fabric samples must be submitted with the proposal. It will be necessary to provide color Owners and/or color renderings at the pre-construction conference to make a final decision.

Understood/Comply	yes	Explanation:
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3.22 Pre-Installation Conference

Upon award of contract to a successful bidder and prior to installation, a pre-installation conference will be held. The conference shall be attended by the manufacturer’s representative, Owner’s representation and Consultant.

Understood/Comply	yes	Explanation:
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3.23 Vendor Experience/References

The “Console Furniture” to be supplied shall have a proven record of use within the harsh 24-hour operating environment of public safety dispatch centers, specifically of similar size to this request. A list of no less than five (5) sites installed of like size must be included with the proposal, complete with contact name, address, phone, email, date of installation and size of installation. If bidder is not the manufacturer of all major components, such as surfaces, console walls, environmental controls, and lift systems, then the bidder must specify which manufacturer is being used and include their reference information and past experience to determine qualified status.

Understood/Comply	yes	Explanation:
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3.24 Warranty/Service Response

The console furniture must be warranted to be free from defects in material and workmanship for five (5) years based on 24/7 usages with a lifetime warranty on the frame. This must be an all-inclusive warranty and will need to cover 100% of the console furniture for the entire 5-year period. Warranty must include all product, freight, and installation.

Bidders must supply a copy of their minimum all-inclusive 5-year warranty with the name, contact, and phone number of the service organization providing the service response, signed by an authorized representative of the Company.

All service and warranty work must be initiated within a minimum of 48 hours after notification. Describe who would be performing the service work, their location and their connection to your company.

Understood/Comply	yes	Explanation:
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3.25 Lead Time & Installation

Lead-time could be a critical factor. Bidders must present their best lead-time to design, manufacture, ship, and install the console workstation system.

Shipping must be direct to the facility, inside delivery, unless otherwise noted.

Trained professionals experienced with the working environment of a public safety communication center must perform the installation. Only the manufacturer's factory installers or their trained and authorized designees shall assemble and install the workstations. The installation team is responsible for the removal of all new furniture packing materials.

Once the installation is complete, a "walk-through" will be required with the installation Foreman in order to ascertain full compliance to the floor plan, console design, and materials specified. Any inconsistencies will be noted and must be scheduled for completion prior to sign off of the project.

Each proposer is to include training on the use of the new consoles during installation.

Understood/Comply	yes	Explanation:
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APPENDIX B – DETAIL PRICING SCHEDULE
THIS TABLE TO BE SUBMITTED WITH SUBMISSION RESPONSE

Moberly Police Department

Mandatory Elements

Description	Units	Unit Cost	Total Cost
Sit to Stand Workstations	3	\$13,148.74	\$39,446.22
Integrated Monitor Mounting (per workstation)	3	\$2,916.00	\$8,748.00
Interior Cavity Ventilation (per workstation)	3	included	included
6' Extension Cables for Keyboard/ Monitor/Mouse (5 per workstation)	18	\$62.00	\$1,116.00
Shipping	1	\$2,307.00	\$2,307.00
Installation Services	1	\$10,125.00	\$10,125.00
Breakdown & Removal of Existing Furniture	1	\$1,657.00	\$1,657.00
TOTALS			\$63,399.22

Optional Elements

Description	Units	Unit Cost	Total Cost
Performance Bond	1	\$946.72	\$946.72
Task Lighting (per workstation)	1	\$135.00	\$135.00
Cooling Capability (per workstation)	1	\$1,060.50	\$1,060.50
Heating Capability (per workstation)	1	\$337.50	\$337.50
Interior Cavity Lighting (per workstation)	1	included	included
Foot Rests (per workstation)	1	\$131.50	\$131.50
Wrist Rests (per workstation)	1	\$37.48	\$37.48
Call Status Indicator Light	1	\$548.50	\$548.50
Workstation Accent Lighting	1	\$474.00	\$474.00
Shared Storage Solutions	1	\$2,488.50	\$2,488.50
Seating (24x7 Operator Seating)	3	\$1,547.28	\$4,641.84

APPENDIX C – REFERENCES
THIS PAGE TO BE SUBMITTED WITH PROPOSAL RESPONSE

DISPATCH FURNITURE PARAMETERS
Moberly Police Department

List of Reference Contacts

Customer Name Brown County Public Communications
Address 3028 Curry Lane Green Bay , Wi 54311
Telephone Number 920-391-7404
Contact Person and E-Mail Joe Massie - joseph.massie@browncountywi.gov
Type of System 22 Dispatch Workstations additional Furniture has been installed since 2009)
Date Completed to be installed 2023

Customer Name Dane County 911
Address 210 Martin Luther King Jr Blvd, Madison WI 53701
Telephone Number 608-267-1911
Contact Person and E-Mail Gregory Abbott gregory@countyofdane.com
Type of System Dispatch Center 4 Consoles installed in 2004
Date Completed 5 new ones to be installed in March of 2023.

Customer Name Dunn County 911
Address 615 Stokke Pkwy, Menomonie, WI 54751
Telephone Number 715-231-2982
Contact Person and E-Mail Melissa Gilgenbach , mgilgenbach@co.dunn.wi.us
Type of System Dispatch Center 3 consoles installed
Date Completed 2020

REQUEST FOR QUALIFICATIONS
ADDENDUM 1 – Issued 2/6/2023

additions and new text

~~text deletions/removal~~

Emergency Communications Dispatch Console Furniture

Owner: Moberly Police Department
 300 N. Clark Street
 Moberly, Missouri 65270

Purchaser: Randolph County Commission
 372 Highway JJ, Suite 2C
 Huntsville, Missouri 65259

Schedule of Events	
RFP Issue Date	1/9/2023
Final Date For Questions	2/3/2023 at 4 PM
RFP Due Date	2/17/2023 at 4 PM
Anticipated Award Date	3/1/2023
Installation Completion Date	7/1/2023

SECTION 1.0 - GENERAL INFORMATION

1.03 Site Inspection

Site visits are not required but are strongly encouraged. Vendors can contact the local Project Manager via email to schedule site visits.

~~Adam Swon~~ Chief Troy Link
~~aswon@moberlypd.com~~ tlink@moberlypd.com

Submission of a proposal shall be conclusive evidence that the Vendor has investigated and is satisfied as to the conditions to be encountered in performing the work. Any additional materials or labor that the Vendor deems necessary to ensure a satisfactory installation for the purpose intended shall be noted in the Proposal and the cost included in the Proposal quotation.

SECTION 3.0 - SPECIFICATIONS

Bidders are requested to indicate their understanding and compliance by entering YES or NO under each statement and providing any additional EXPLANATION as deemed necessary.

3.07 Acoustical Console Walls

All equipment, material and articles requested under this specification are to be new or fabricated from new materials. The use of used, remanufactured, or rebuilt products is not allowed under this specification. Acoustical walls shall be constructed with a high density, fire resistant, sound absorbing subsurface. Edges of these partitions shall be durable and replaceable. All fasteners must be completely concealed. Leveling glides shall be an integral part of the system to accommodate uneven floors. **The acoustical console walls may be part of the fixed furniture base or part of the adjustable work surface.**

Understood/Comply	yes	Explanation:
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3.08 Surfaces

All primary work surfaces, input platforms, and extension surfaces shall be constructed of durable materials that will withstand the 24-hour use environment of an Emergency Communication Center. Primary work surfaces and extensions shall include cable drop areas for access into the fixed electronics cavities. All edges must be treated in a replaceable high impact edging material.

a. Monitor Surfaces & Monitor Mounting Structure

The monitor mounting surface and structure should be height adjustable with smooth, quiet motorized control. The operator must be able to make all monitor

and keyboard adjustments from either a standing or sitting position. At least one inch safety clearance between all moveable and fixed surface is required. A safety system should be in place to prevent accidental lowering of the unit when it is taken off-line for service. Proposers are encouraged to propose the ability for users to quickly adjust monitor and keyboard surfaces to personally present heights.

These surfaces must be non-porous, non-glare and of high pressure laminate or solid surface materials of standard color (meaning items readily available or no "special order" materials). Surfaces should be mark, stain and scuff resistance and easy to maintain and clean. All corners and edges will be rounded and properly finished in similar solid surface materials.

The surface and/or monitor mounting structure/array must be able to be pulled forward or pushed back for operator comfort. There is no preference for this capability to be motorized or non-motorized. The unit must be able to accommodate up to six (6) 24-inch monitors without obstructing the view. The monitor surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface and mounting structure must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weights of the surface and components. Additionally we encourage the proposer to address considerations of bracket rack mounted monitors, possible dual stacked, fixed mounted and/or articulating arms.

b. Keyboard Surface

The keyboard surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weight of the surface and components. The keyboard surface must accommodate two standard-size keyboard and one keypad for telephone functions and meet or exceed ANSI/HFES requirements.

Understood/Comply	yes	Explanation:
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3.11 Equipment Enclosures

Equipment enclosures must support the installation of the CPU's as described in Section 3.05. include EIA mounting rails front and rear. ~~Each console should include at a minimum 4 racks each 19" deep X 22"wide X 8" high. Blank faceplates accenting or matching surrounding finish must be included with each rack.~~ At a minimum, the following options should be made available:

- Interior task lighting to equipment cabinetry
- Access to CPUs/cabling from front and back
- Quiet blowing ventilation for electronics cooling equipment cabinetry

Understood/Comply	yes	Explanation:
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3.14 Sit to Stand Base and Input Platform

The following specifications shall apply to the Console Furniture base and keyboard platform. The Primary Surface and Input Platform may be a single surface, provided the monitor mounting structure/array be adjustable to be pulled forward or pushed back for operator comfort.

a. Primary Surface

Components shall be UL listed. The motor/gear drive system must have a 700 lb. gross weight-lifting capacity, including the surface, input platform, and input platform mechanism. Design must accept uneven load distribution. Range of travel will need to accommodate a low of 24-inches to a high of 46-inches, infinitely adjustable within the 22-inch range.

b. Input Platform

The Input Platform shall be designed to provide un-obstructed knee clearance in the seated operating position in accordance with ANSI standards. Platform must be tested to 250 lbs. ~~Input Platform must be secured to the primary surface by metal-to-metal connection utilizing steel plates and bolts, no wood screws will be acceptable.~~

c. Unified Frame

Sit-to-stand base must be designed with a footprint to allow maximum stability based on the overall size of the Flat Screen primary surface. The entire console must be tied together so that there will be no movement of the primary surface away from the remainder of the console. It must meet ANSI/HFS standards and ADA requirements for foot and leg clearance. There must not be any obstructions for side-to-side movement within the footprint of the console. Leveling glides shall be an integral part of the system to accommodate uneven floors.

d. Adjustments

All adjustments for the sit-to-stand base and input platform shall be attained from the front of the input platform or the front of the primary surface and shall be able to be adjusted from either the seated or standing position with the use of one hand to meet ADA requirements.

Understood/Comply	yes	Explanation:
--------------------------	-----	---------------------

APPENDIX B – DETAIL PRICING SCHEDULE
THIS TABLE TO BE SUBMITTED WITH SUBMISSION RESPONSE

Moberly Police Department

Mandatory Elements

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10-YEAR PREMIER PLUS WARRANTY

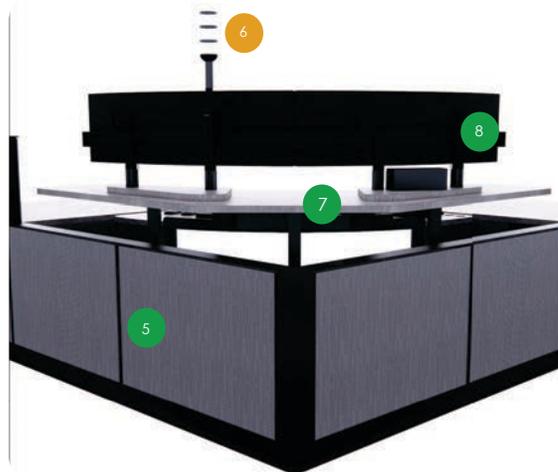


10-YEAR PREMIER PLUS WARRANTY

Xybix is committed to keeping your 24/7 mission-critical workstations at the ready.

10 Years: Everything. Parts, shipping, labor, everything.

Lifetime: Parts manufactured by Xybix will be warranted for life. Labor and shipping is included in the first 10 years.



Items in **GREEN** are guaranteed for the lifetime of the item.
Items in **ORANGE** are guaranteed for 10 years.

- | | | | |
|----------|---------------------------|----------|----------------------------------|
| 1 | Door/Drawer Fronts | 5 | Panel Frame and Surfaces |
| 2 | Climate Control | 6 | Status Indicator Lights |
| 3 | Lift Motors | 7 | 3D Laminate Work Surfaces |
| 4 | Cabinet Materials | 8 | RollerVision™ |

Premier Service: For a timely warranty solution, the Buyer will cooperate with the Xybix Customer Service Team. With guidance from Xybix, the Buyer agrees to perform basic troubleshooting tasks to determine the nature of the problem and to self-correct before on-site assistance can be provided. For simple replacements, Xybix will promptly ship parts to the Buyer.

Xybix will provide personnel for components that require on-site repair. These repairs will be performed during normal work hours as scheduled by the Xybix Customer Service Team. For repairs that have resulted from circumstances outside the warranty coverage, and/or the Buyer imposes conditions or restrictions that increase repair costs, the Buyer agrees to reimburse Xybix for resulting additional expenses. The Buyer agrees to dispose of old parts and packing materials.

This warranty is for new purchases only and would not apply to circumstances that include normal wear and tear, damage, misuse, power surges, modifications, consumable items, mobile/tablet devices or software, or products shipped outside the United States.

Any repairs, substitute products, or replacements of equal or higher value used to resolve a warranty claim will in no way extend the applicable warranty period applied to the original product. Product repair or replacement is the Buyer's exclusive remedy for all warranty solutions covered under this non-transferable warranty. Xybix makes no other express or implied warranties to any product except as stated above.



Executive Summary

Xybix – The Ergonomic Performance Leader

Xybix clients benefit from our proven history of a complete focus on the health, safety and productivity of the end users of the ErgoPower™ premium consoles. Xybix 911 Consoles are designed to fully comply with the National Ergonomic Standard - ANSI/HFES100-2007, which results in fewer worker’s compensation claims, makes retention and recruiting easier and reduces absenteeism – all of which make the job of managing the operation and the people easier and more rewarding.

Xybix was founded in 1991 and has a continuous 30 year history without any changes in ownership, bankruptcies or our focus on the end user. Xybix has designed, manufactured, installed and continues to service in excess of three thousand (3,000) 911 Communication Centers ranging in size from 2 workstations to in excess of 100 workstations. ***Our stability, expertise and commitment to the 911 Public Safety Industry is second to none.***

We take pride in the fact that we are an AMERICAN manufacturer (Littleton, CO) with our manufacturing and corporate offices in the same location fostering communications and coordination of the integrated process. Success stories include:





Health and Safety Design Standards

Xybix uses our extensive experience in designing 911 Communication Centers to focus on the following critical elements which will make your center a truly healthy and safe workplace:



ANSI/HFES100-2007 The Nationally recognized ergonomic standard has five (5) performance requirements for 911 dispatch furniture. Unlike our competitors, Xybix Consoles meet all five (5) of these crucial performance requirements



Greenguard Indoor Air Quality low emitting product certified – Air Quality Sciences tested a complete Xybix workstation in their large chamber test facility for chemical emissions and awarded Xybix Certificate of Compliance #9688-410 with NO EXCEPTIONS. Check us out on Greenguards website: www.greenguard.org . While you are at it – check out our competitors, too!



BIFMA Testing - Business and Institutional Furniture Manufacturers Association (BIFMA) tests various furniture components for structural integrity and durability regardless of the materials used in the construction of the product. Xybix Consoles/Workstations have been designed to pass these rigorous tests, and we have copies of independent test lab results as **proof of performance.**



ASTM testing – The American Society for Testing Materials test protocols are used for the following:

- Acoustics – ASTM Procedure C423-08 –Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method - is used to verify the high NRC values achieved using the Xybix System.
- Flame Spread ratings – ASTM E-84 Test for surface burning characteristics of building materials to verify the Xybix “Class A” rating



Underwriters Laboratories (UL) and Canadian Standards Association (CSA) – electrical components are tested to these North American Standards



Proof of Performance Testing

We differentiate ourselves from our competitors in that we back up our performance claims with product testing by independent test labs done according to accepted industry standards. We don't expect our customers to blindly trust our performance claims - we anticipate that we will be asked for test results. We are not offended in any way – it is simply good business protocol. We expect that any agency required to perform due diligence will demand such independent test lab proof.

Highly Experienced Design Team

Xybix's ability to provide the best possible complete solutions for our clients begins with our fantastic design team.

We have full time degreed (one has a Masters in Architecture) designers who have all earned the right to claim a high level of expertise in 911 Communication Center design.

Each project is assigned to a specific designer who will work with you throughout the entire process. Your space is thoroughly reviewed for potential building and fire code issues and ADA compliance. Additionally, we perform the traditional space planning techniques of determining adjacency relationships, sight lines and fire code egress requirements. Every Xybix drawing includes a photo-realistic rendering of the actual product and layout of the product that we are quoting.

Turnkey Solutions

We include – as standard - accessories which are necessary to the proper function of the consoles. This includes monitor cable extensions, CPU cabinet fans, service lights and mouse/keyboard cable extensions. A Xybix designed and quoted project is a “turnkey” project – NO SURPRISES!

Expert Scheduling/Project Management

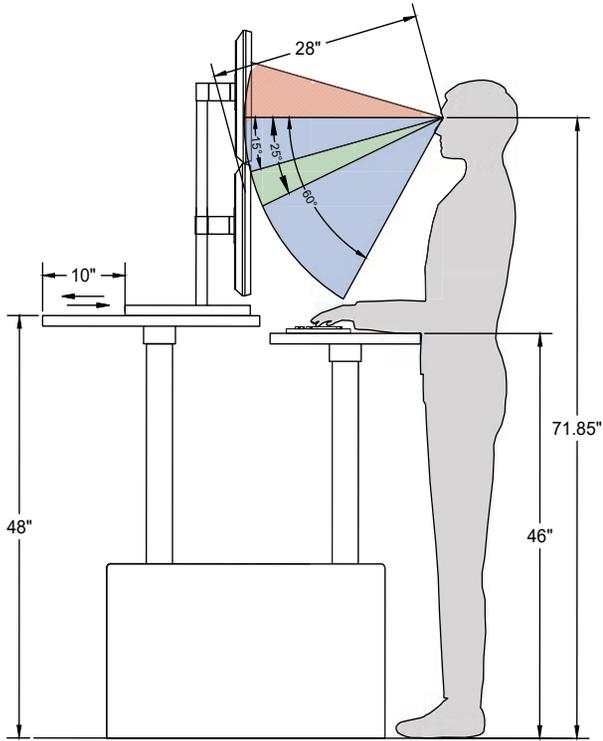
Xybix's national installation manager – Kelley Smith – has been a Xybix team member for 13 years; is a former dispatcher for Downey, CA Fire; and has installed or supervised the install of literally thousands of dispatch workstations all over North America. Kelley is not only an expert at the installation of our product but also he understands the dispatchers job in detail. Kelley's input often saves our clients significant money and time.

Post Installation Customer Service

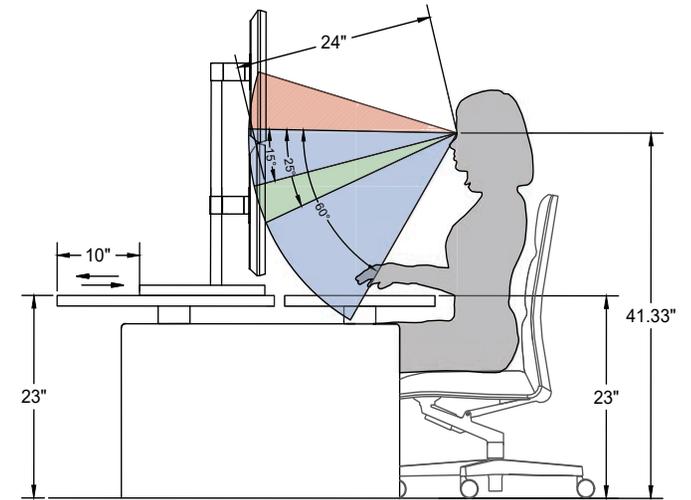
Xybix has a dedicated customer service team that handles both punchlist and warranty service requirements.

Each call that comes in to our Customer Service team is assigned a “case” number and is tracked based on the priority established. Any case which is not resolved in a timely manner is immediately escalated to management.

We consider our customers to be our partners for the duration of their ownership of their consoles.

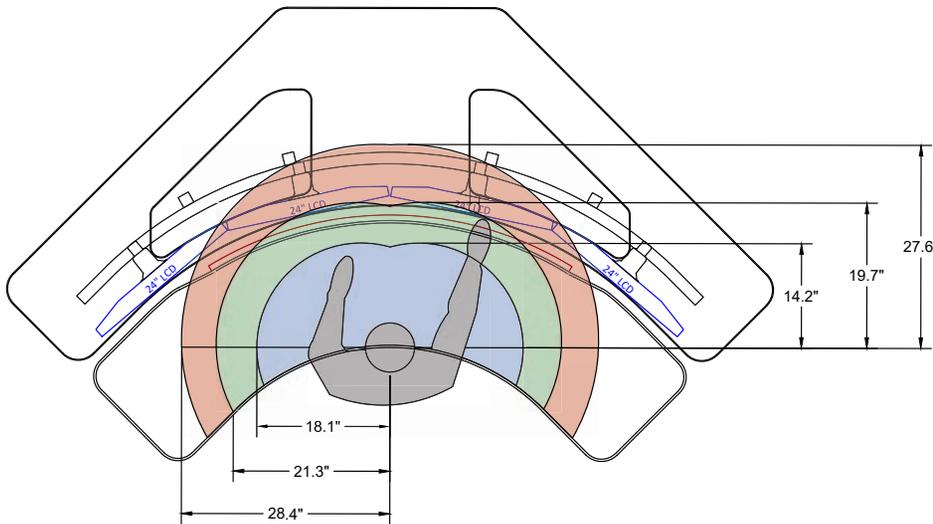
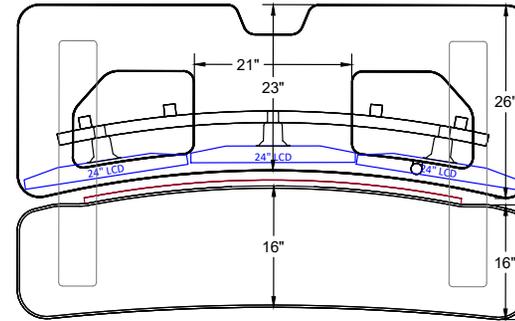
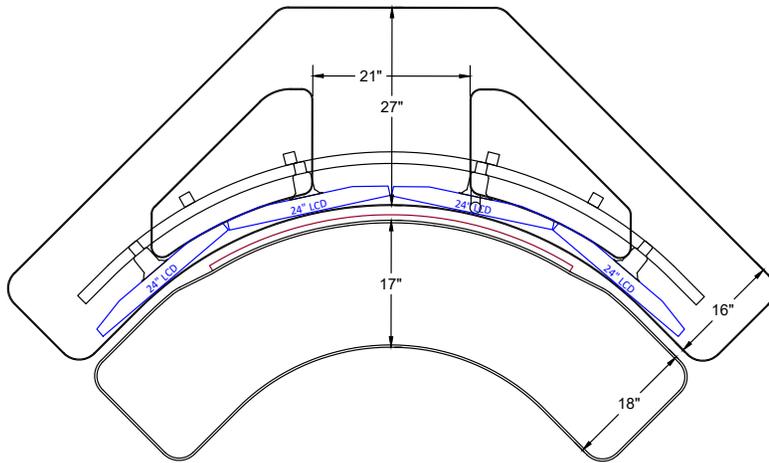


**95TH PERCENTILE MALE (6'-4")
 BASED ON 24" FLAT PANEL MONITORS**

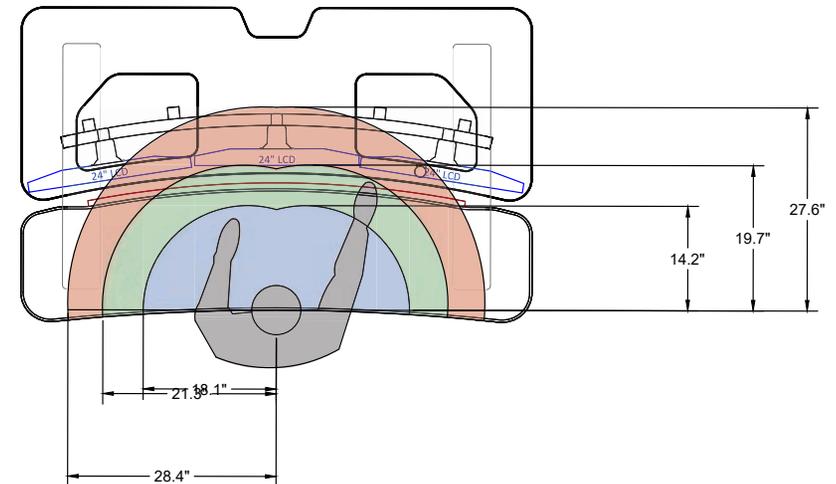


**5TH PERCENTILE FEMALE (4'-11")
 BASED ON 24" FLAT PANEL MONITORS**

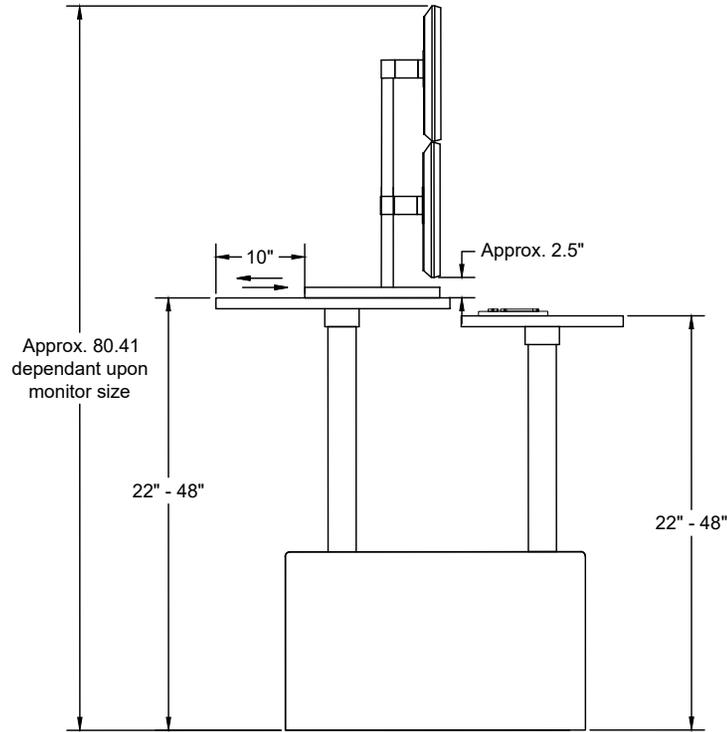
-  Area above horizontal, poor ergonomics
-  15° - 25° ideal monitor viewing angle, center of screen
-  Preferred visual area including keyboard



**REACH ZONES FOR
 CORNER WORKSTATION**



**REACH ZONES FOR
 STRAIGHT WORKSTATION**



ADJUSTMENT RANGE
 BASED ON 24" FLAT PANEL MONITORS

Xybix Consoles have a true sit to stand adjustment range of 22"-48" AFF, or, a total height adjustment range of 26".

Xybix's Rollervision monitor mounting system provides 10" of focal depth adjustment.



ERGONOMIC DESIGN CRITERIA

E-911 DISPATCH CONSOLES

E-911 Dispatch communication centers present unique challenges to designers of specialized dispatch furniture. Multiple large monitors (up to 6 or more) and multiple keyboards, mouse(s), touch screen monitors and other specialized equipment requires a special focused approach to create the least stressful, most comfortable and most productive Dispatch Communications Center environment.

Ergonomic workstation design can be tailored to an individual of nearly any size, but any design for multiple users whose specific physical needs are unknown or may change along with personnel changes is typically pointed toward accommodating the 5th percentile seated female user to the 95th percentile standing male. ***Ergonomic performance benchmarks should follow this accepted practice.***

The Human Factors and Ergonomics Society is an organization whose members are comprised of working human factors engineering professionals in academia and industry. HFES published the original American National Standard for Human Factors Engineering of Visual Display Terminal Workstations (ANSI/HFES 100-1988) which was accepted by the American National Standards Institute (ANSI) on February 4, 1988.

On March 31, 2002, HFES published the first revision to the original standard – BSR/HFES 100 – which addresses changes in technology as well as standing working postures. For the last 5 years BSR/HFES 100 has been available for trial use and evaluation by various stakeholders in industry, government and product design. A canvass committee reviewed input from all sources and voted on acceptance of the final guidelines document. The document was then submitted to the American National Standards Institute (ANSI) for process approval. ANSI approval was obtained on November 14, 2007. The new National Human Factors Engineering of Computer Workstations : **ANSI/HFES100 – 2007** represents the most comprehensive and up to date ergonomics guideline in the world.

XYBIX considers it prudent to base our product design criteria as well as recommendations to our clients on the Human Factors and Ergonomics Society guidelines. ***HFES represents the highest level of expertise, the lowest potential for conflicts of interest and is the most current ergonomic standard in the world at this point in time.***

The use of the HFES guidelines as a benchmark to determine and compare the relative ergonomic performance level of various vendors of Dispatch Console Furniture is the **SAFEST AND BEST way to be certain that your agency is getting its money's worth.** Compliance with ANSI/HFES 100 – 2007 guidelines provides assurance that you are getting a product which puts your valuable staff in the least physically stressful work environment possible.

Vendor claims that ANSI/HFES guidelines are only for office application are patently false. ANSI/HFES guidelines address the relationship between the human being and the computer equipment regardless of whether it is located in an office, a factory or an E-911 Dispatch center.

HFES is the **only** Standards Developing Organization (SDO) recognized by the American National Standards Institute (ANSI) in the field of human factors engineering and ergonomics. Adherence to ANSI/HFES guidelines means maximum credibility in a court of law should any workers compensation or employment issues ever reach that level. Any attempt to personally judge the ergonomic merits or reliance on vendor claims alone has significant unnecessary risk attached.



The following recommendations for human factors engineering of E-911 Dispatch Console Furniture workstations are based on the ANSI/HFES 100 – 2007 Human Factors Engineering of Computer Workstations guidelines. Section and page numbers are referenced where appropriate.

Input Device - Keyboard / Mouse Support Surface

1. Input Device support surface – The input surface (keyboard/mouse, etc.) is the primary interface with the console user. It should be **strong and rigid** and provide adequate room for input devices and note taking. Principal requirements for superior ergonomic performance follow:

- a. Primary horizontal work zone – The primary work zone is illustrated below and is defined as: **“It is the shape swept out on the work surface by rotating the forearm horizontally at elbow height.** Arm motions within this area reduce the physiological cost of movement and improve movement speed and accuracy. (Konz & Johnson, 2000)¹

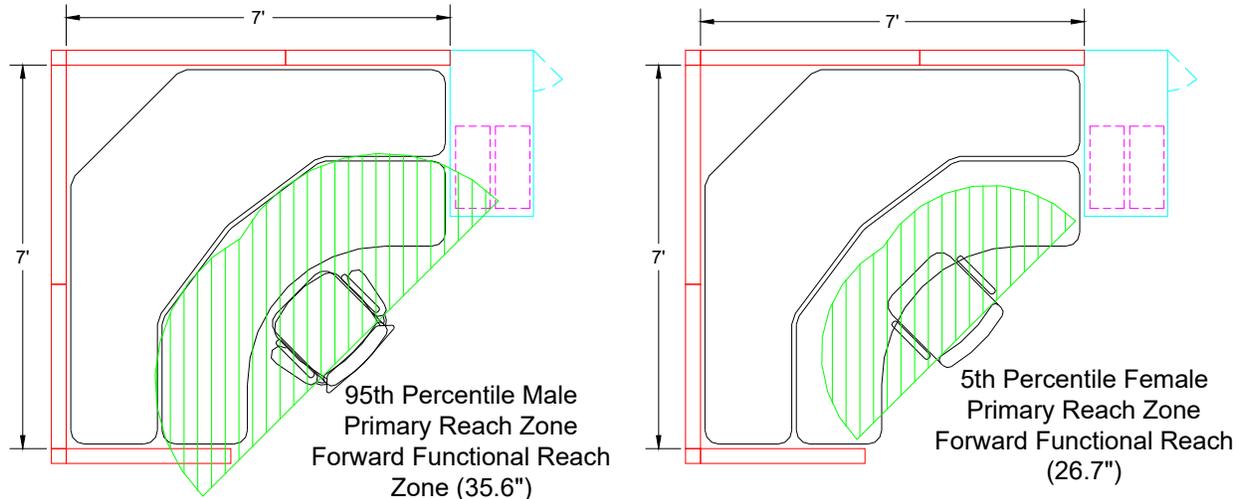


Figure 1 - Primary Reach Zones

¹ ANSI/HFES 100 – 2007 *Human Factors Engineering of Computer Workstations* ©2007 HFES p.17



Input Surface Shape

b. Work surface shape – Work surface shape has significant ergonomic implications in multiple monitor situations experienced in E-911 Dispatch centers. The drawings below illustrate the advantages of “cockpit” shapes over straight work surfaces.

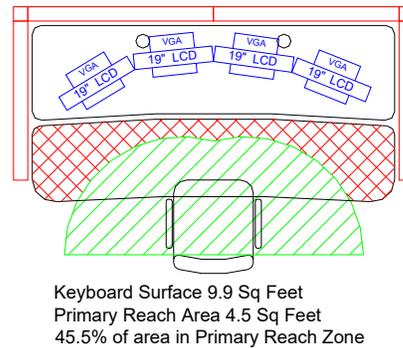
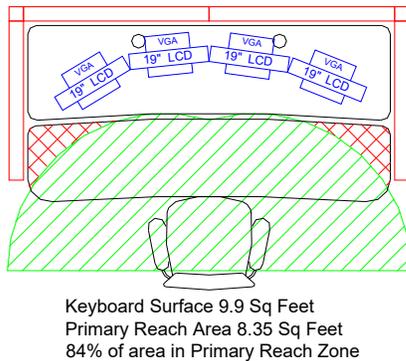
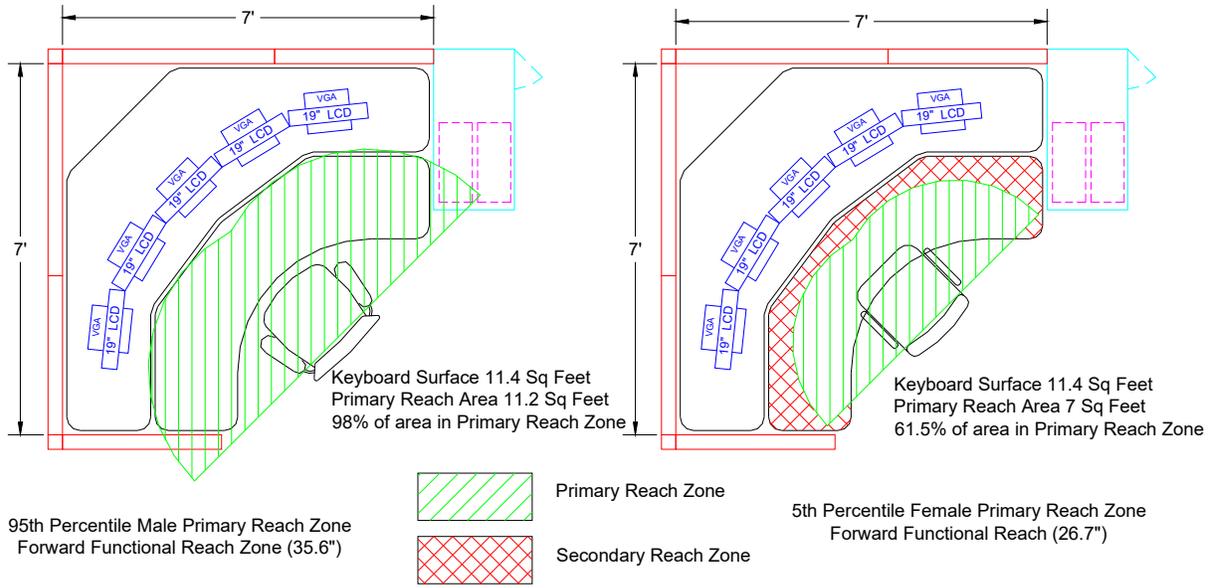


Figure 2 - Corner vs. Straight Primary Reach Zone Comparison



Primary Input Surface Tilt

- c. **Tilt or no tilt?** – While ANSI/HFES 100 – 2007 does provide specifications for support surfaces which have a “tilt” capability, the tilt function **does not work** with “cockpit” shaped work surfaces due to the axis of rotation being forward of the centerline of the surface. Tilt will only work with straight work surfaces. Tilt represents an unnecessary complication if height adjustment alone can provide the desired **neutral wrist alignment**.

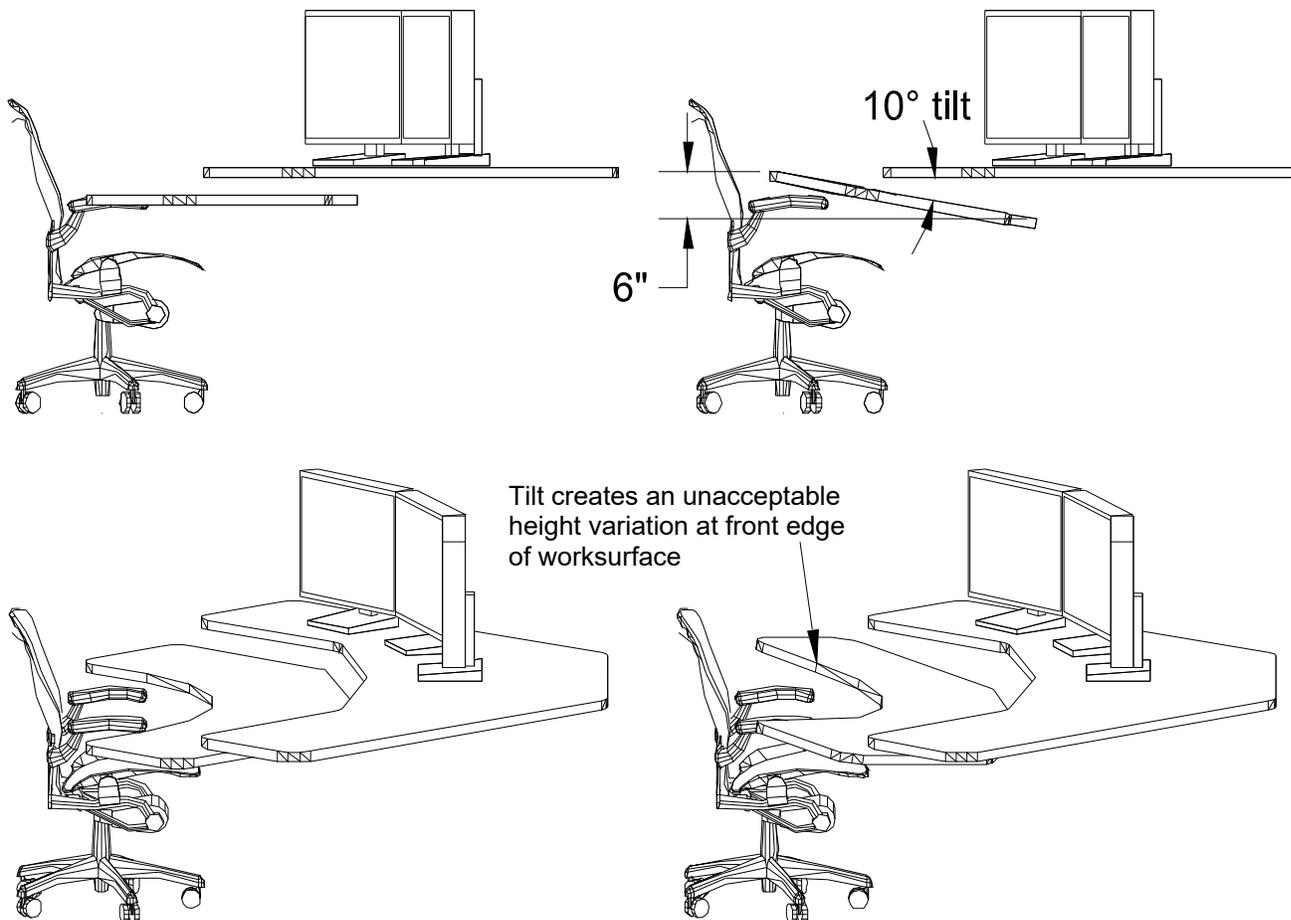


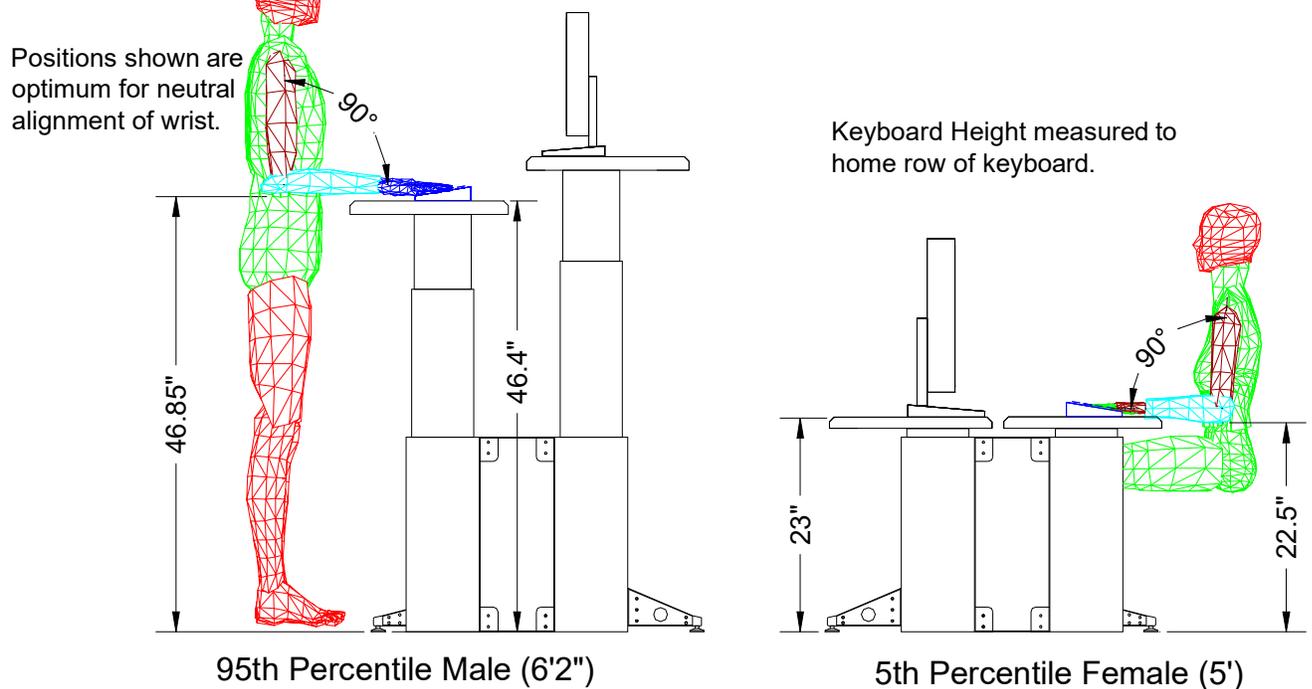
Figure 3 - Keyboard Tilt with cockpit shape workspaces creates an uneven front edge and can compromise the required knee space envelope



Input Surface Adjustment Range

- d. **Adjustment Range** – The input surface adjustment range relates directly to **elbow height** of the 5th percentile seated female to the 95th standing male user. Specifications follow: “If height adjustable only, the input device support surface designed for *both sitting and standing* work postures shall
 - i. •Adjust in height between 56 cm and 118 cm (22 – 46.4”)
 - ii. •Comply with the clearance requirements specified in Section 8.3.2.1 when used in the seated position.”²

Human Factors and Ergonomics Society Keyboard Positioning Requirements BSR / HFES 100 - 2002 Standard



Angles and heights based on BSR/HFES 100
Human Factors Engineering of Computer Workstations

² ANSI/HFES 100 -2007 Human Factors Engineering of Computer Workstations©2007 HFES Section 8.3.2.4.3 p. 80



2. **Monitor Support Surface** – The monitor support surface must not only adjust to position the user for proper view angles and correct focal lengths, it must also be designed to accommodate a range of monitor sizes and monitor mounting techniques while doing so. Most E-911 Dispatch communication centers use monitor sizes which range between 17” to 21” as the largest practical size. Proper design criteria would, therefore dictate that planning for a “worst case scenario” is prudent. XYBIX designs monitor surface adjustment ranges to meet ergonomic requirements for the use of a 21” monitor at the 5th percentile seated female posture and a 17” monitor at the 95th percentile standing male. This extends the adjustment range requirement somewhat, but guarantees that users can still adjust for proper position if monitor sizes change in the future.

- a. **Adjustment Range** – The adjustment range of the monitor surface is that which is necessary to accomplish the required -15° to -20° view angles below horizontal eye level to the center of the screen for the 5th percentile seated female (21” monitor) to the 95th percentile standing male (17” monitor) user.

Note: This is particularly important in an E-911 Dispatch environment as the great majority of users are female (greater percentage of small users) - and many are of an age where the downward view angles are necessary to accommodate those who wear bi-focal or tri-focal corrective lenses.

Compliance - Each vendor should submit a drawing which details monitor surface adjustment height, mounting details which show how high above the surface the monitors are mounted, and the size of the monitor being used. Generally, the combination of these elements should not place the top of the screen above the 5th percentile seated female user’s horizontal eye height.

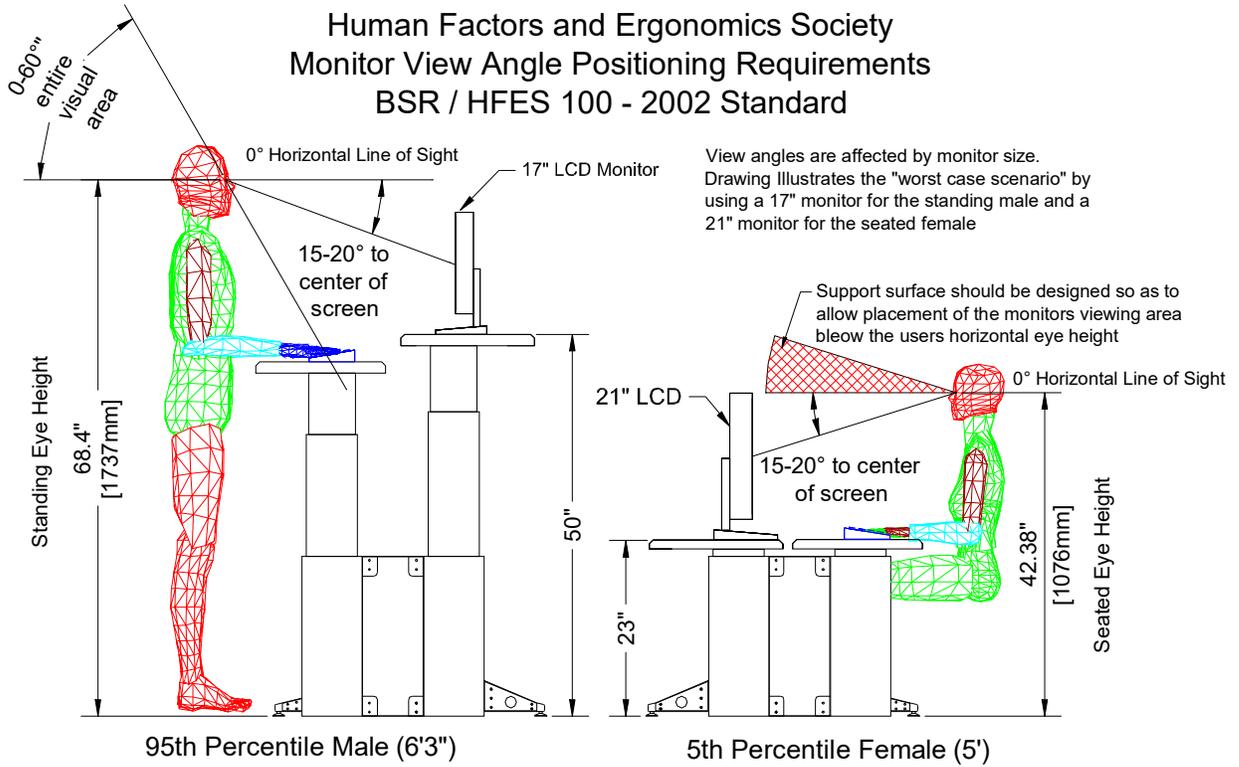
- b. **View Angle** - “The vertical height of a VDT screen represents a compromise between minimizing visual discomfort and musculoskeletal discomfort of the neck and shoulders. In general lowering a screen or increasing the viewing distance will reduce visual discomfort. However, lowering the screen increases the loading on neck and shoulder muscles. Display screen height above eye level has also been associated with musculoskeletal discomfort”.³ Specifications follow:
- i. “The entire visual area of visual display terminal workstations **should**
 1. Be located between 0° and 60° below eye height when users assume the upright sitting, declined sitting or standing reference posture.
 - ii. The center of the visual display screen **should**
 1. Be located 15° to 20° below horizontal eye level
 - iii. During work periods display screens **should not**
 1. Be located more than 35° off axis (i.e. from the user’s predominant line of sight) while the user is gazing straight ahead.”⁴

³ ANSI/HFES 100 - 2007 Human Factors Engineering of Computer Workstations ©2007 HFES p. 18

⁴ ANSI/HFES 100 - 2007 Human Factors Engineering of Computer Workstations ©2007 HFES p.18



Human Factors and Ergonomics Society Monitor View Angle Positioning Requirements BSR / HFES 100 - 2002 Standard



Angles and heights based on BSR/HFES 100
Human Factors Engineering of Computer Workstations



- c. Focal Length - “Optimal viewing of a visual display is influenced by numerous factors in the workstation, such as the physical image quality of a monitor (resolution, addressability, pixel shape, subpixel arrangement, luminance and color contrast, viewable screen size), the screen information layout and font characteristics (typeface, font size), the user’s posture (angular alignment to the screen), visual capabilities (optometric corrections), and the ambient light conditions (screen illumination, glare, reflections). **Display-support surfaces that allow adjustment of the alignment between the user and the viewable screen area during a work session are essential to achieving optimal viewing conditions.**⁵ The elements relevant to Dispatch Furniture are the ability to adjust the distance and the alignment between the operator and the monitor screen.
- i. “Monitor Support surface – “The visual display support surface **shall**
 1. Allow users to adjust the line-of-sight (viewing) distance between their eye point and the front (first) surface of the viewable display area
 2. Allow users to adjust the tilt and rotation angle between their eye point and the front (first) surface of the viewable display area.
 - ii. Monitor support surface – **The visual display support surface **should****
 1. **Allow users with normal visual capabilities to adjust the line of sight (viewing) distance between their eyes and the front (first) surface of the viewable display area within the range of 50 to 100 cm. (19.6-39.4”)**⁶
 2. Maximum practical viewing distances are suggested to be: “Horizontal eye level to screen center angles of -15° to -20° at distances of 75 to 83 cm (29½” – 32½”) appear to be a reasonable compromise”⁷ (Sommerich, et al., 2001)

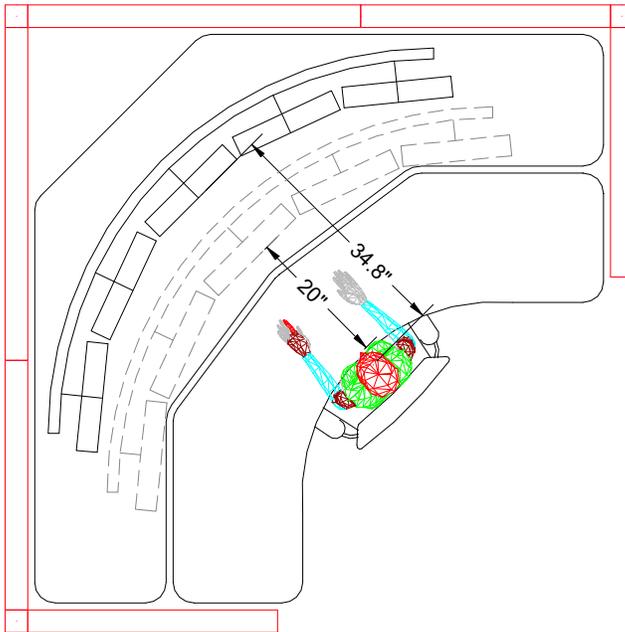
⁵ ANSI/HFES 100 - 2007 Human Factors Engineering of Computer Workstations©2007 HFES p. 18

⁶ ANSI/HFES 100 – 2007 Human Factors Engineering of Computer Workstations©2007 HFES p. 17

⁷ ANSI/HFES 100 – 2007 Human Factors Engineering of Computer Workstations©2007 HFES p. 19



Monitor Focal Length Requirements BSR/HFES 100-2000



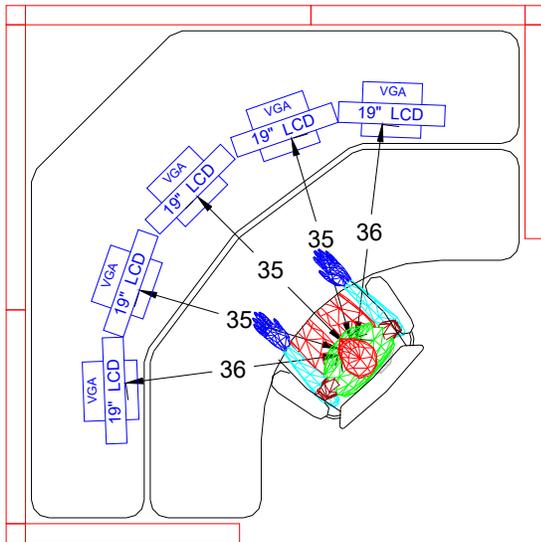
Minimum viewing distance 50cm (20")
Maximum viewing distance 83cm (32.7")

Visual Display Support Surface **Shall**

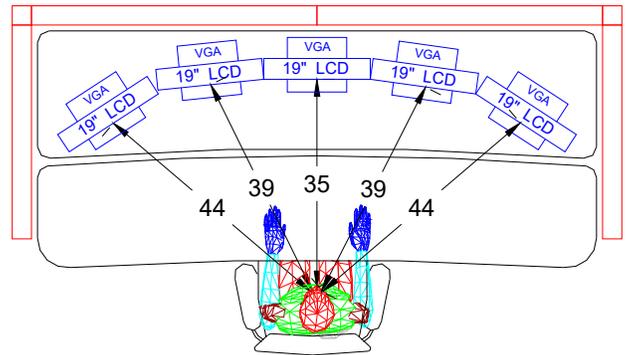
- Allow users to adjust the line-of-sight and viewing distance between their eye point and the front "first" surface of the viewable display area.
- Allow users to adjust the tilt and rotation angle between their eye point and the front "first" surface of the viewable display area.



- d. Work surface shape – Work surface shape has significant ergonomic implications in multiple monitor situations experienced in E-911 Dispatch centers. Design criteria include the following:
 - i. Optimum monitor placement would locate monitors as close as possible to the same distance from the users' eyes in order to minimize the need for the eyes to re-focus when looking from screen to screen.
 - ii. The monitor screen should be as close to perpendicular to the users line of sight as possible



Cockpit workstation shape allows for consistent focal lengths. Eye strain is minimized. Monitor face is perpendicular to operator.



Rectilinear workstation shape creates inconsistent focal lengths. Eye strain occurs from re-focusing across monitors. Monitor face is not perpendicular to operator.



Operator Clearances

- e. **Operator Clearances** – “Operator clearance spaces under all working surfaces (i.e., primary work surface, display support surface, input device support surface) **shall** accommodate at least two of the three seated reference working postures, of which one must be the upright seated posture by using Method 1 or Method 2 as described below”⁸ As Method 1 refers to seated postures only, **Method 2 is appropriate for determining clearances of sit-to-stand workstations.** Because Method 2 describes the largest operator clearance space, any operator clearance space that meets the specifications of Method 2 will automatically meet the operator clearance space specifications for upright seated and reclined seated postures.

Care must be taken to include any brackets or input platform support mechanisms which exist in the knee space of the user. The use of clearance boxes as defined in Section 8.4.1 Supplier Conformance⁹ is recommended

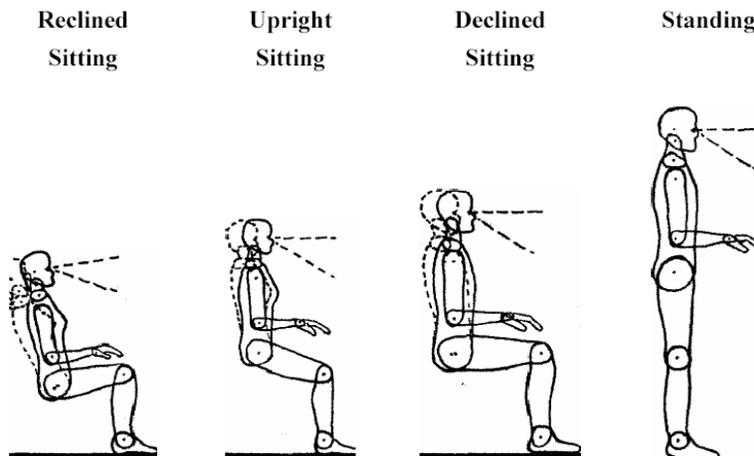


Figure 4 - Reference Postures

Reclined Sitting. In the reclined sitting posture, the user’s torso and neck recline between 105° and 120° to the horizontal.

Upright Sitting. In the upright sitting posture, the user’s torso and neck are approximately vertical and in line (between 90° and 105° to the horizontal), the thighs are approximately horizontal, and the lower legs are vertical.

Declined Sitting. In the declined sitting posture, the user’s thighs are inclined below the horizontal, the torso is vertical or slightly reclined behind the vertical, and the angle between the thighs and the torso is greater than 90°.

Standing. In the standing posture, the user’s legs, torso, neck and head are approximately in line and vertical.¹⁰

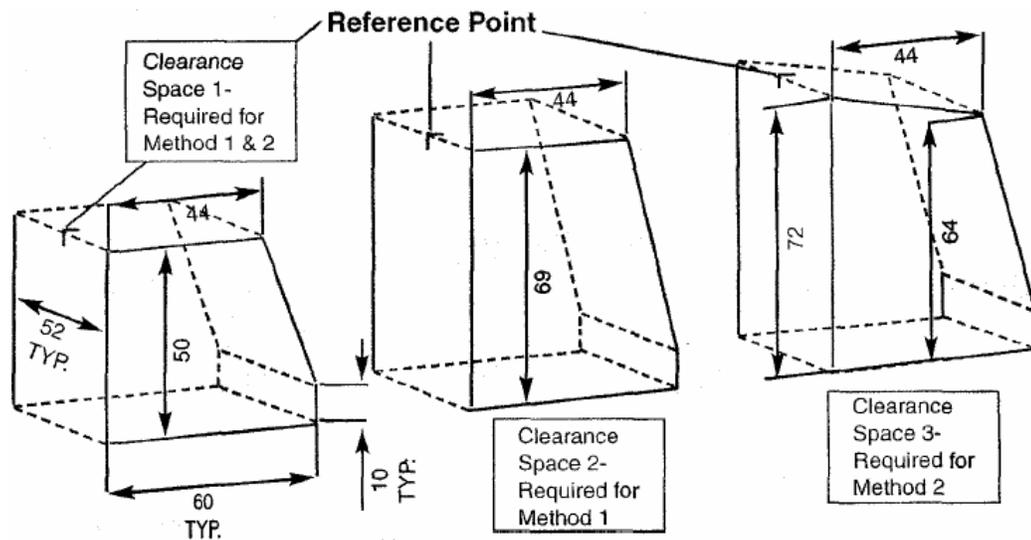
⁸ ANSI/HFES 100 - 2007 Human Factors Engineering of Computer Workstations©2007 HFES Section 8.3.2.1 p. 75

⁹ ANSI/HFES 100 - 2007 Human Factors Engineering of Computer Workstations©2007 HFES Section 8.4.1 p. 84

¹⁰ ANSI/HFES 100 - 2007 Human Factors Engineering of Computer Workstations©2007 HFES Section 8.4.1 p. 73



OPERATOR CLEARANCES



Supplier Conformance¹¹

In order to evaluate the conformance of a surface to the required clearance for Method 2:

1. Place the furniture on a flat surface.
2. Determine the intended computer display and keyboard location(s).
3. Adjust the top of the input device surface to 56 cm.
4. Place the small seated operator clearance box (Clearance Space 1 box) under the surface, lining up the centerline of the box under the forward edge and center point of the surface.
5. Check for interference.
6. Determine intended computer display and keyboard location(s).
7. Adjust the top of the input device surface to 78 cm.
8. Place the Clearance Space 3 box under the surface, lining up the centerline of the box under the forward edge and center point of the surface
9. Check for interference.

¹¹ ANSI/HFES 100 – 2007 Human Factors Engineering of Computer Workstations© 2007 HFES p. 84 - 85



Supplier Conformance

Supplier Conformance – The intent of this section is to provide the user with a checklist and the tools necessary to determine the extent of compliance to the ANSI/HFES 100 - 2007 Human Factors Engineering of Computer Workstations standard that products of various manufacturers display and to provide a benchmark which can be used for an objective comparison.

1. Attached and identified as Appendix “D” is a matrix which identifies ANSI/HFES 100 – 2007 guidelines and allows the user to fill in the performance of various vendors for an objective comparison:

Summary:

Good design allows people to work at their best with the least risk of injury.

Input (Keyboard) Surface design goals:

1. Strong and Rigid
2. Shape should optimize worksurface space in users primary reach zones
 - a. Corner or cockpit shapes are more effective than straight
3. Tilt can only be used on straight surfaces and is only required if adjustment ranges can not be attained.
4. Required Adjustment Range – 22”-46.5”

Monitor Surface design goals:

1. Required Adjustment Range – as needed to achieve view angle guidelines
2. View angle to center of screen should be 15-20° below horizontal eye level
3. NO part of monitor screen should be above user’s horizontal eye level
4. Focal Length from eyes to monitor should be easily adjustable from 20” to 32.5”
5. Worksurface shape should allow monitors to have equal focal lengths
6. Worksurface shape should allow monitors to be oriented perpendicularly to operators line of sight

Operator Clearance

1. Knee space under workstation should be free from obstructions
2. Clearance must include at least two of the seated postures including the upright seated posture.

The most expensive component of any communication center is the staff. Good design that follows national standards will improve performance, minimize injuries and reduce turnover. Best Practices demands that proper ergonomics be applied to all aspects of workstation design.

While sound ergonomic design is arguably the most important aspect of dispatch center furniture. There are many other factors to be considered including:

- Cable management
- Equipment Storage
- Finish Options
- Service and Installation

XYBIX is an industry leader in all aspects of dispatch furniture. We look forward to working with you to make your project a success.



Appendix D

Human Factors Engineering of Computer Workstations ANSI/HFES 100 - 2007

Supplier Conformance Matrix

Ergonomic Performance Criteria	ANSI/HFES 100 - 2007	XYBIX	Vendor B	Vendor C	Vendor D
Input Surface Adjustment Range	22" low 46.5" hi	23" low 50" hi			
Monitor Surface Adjustment Range in combination with monitor size and monitor mounting height – surface must be able to adjust so that the top of the viewing area of the screen is no higher than the 5 th percentile seated female horizontal eye level (41.5") and that the specified view angles for the 95 th percentile standing male user are achieved	-15° to -20° downward view angle from horizontal eye level to center of screen for 5 th % seated female user to the 95 th % standing male user	Drawing submitted detailing compliance including monitor height, mounting height and surface adjustment range			
Input Surface height required for 5th percentile seated female user	22"	23"			
Input Surface Height required for 95th percentile standing male user	46.4"	50"			
Monitor (21") Surface Height required for 15° - 20° downward view angle to center of screen 5th percentile seated female user	23"	23"			
Monitor (17") Surface Height required for 15° - 20° downward view angle to center of screen 95th percentile standing male user	50"	50"			
Focal length (viewing distance) adjustability range	20" – 33"	20" – 33"			
Operator Clearance Method 2 ¹² Clearance Space 3	NO Interference	NO Interference			

¹²ANSI/HFES 100 – 2007 Human Factors Engineering of Computer Workstations © 2007 HFES p. 76

CERTIFICATE OF COMPLIANCE



Xybix Systems Inc.

Xybix ErgoPower® Electric Height Adjustable Workstations and Consoles

9688-410
Certificate Number

02 Dec 2009 - 02 Dec 2023
Certificate Period

Certified
Status

UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011(R2016) and determined to comply with ANSI/BIFMA X7.1-2011(R2016) and ANSI/BIFMA e3-2019 Credit 7.6.1 in an Open Plan Office and Private Office environment.

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.



UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Certification Criteria for Furniture and Mattresses

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC _(A)	-	0.50	mg/m ³
Formaldehyde	50-00-0	61.3 (50 ppb)	μg/m ³
Total Aldehydes _(B)	-	0.10	ppm
4-Phenylcyclohexene	4994-16-5	6.5	μg/m ³
Individual VOCs _(C)	-	1/10th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Allowable levels for chemicals not listed are derived from 1/10th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



Requester:	XYBIX Systems, Inc. 8207 SouthPark Circle Littleton, Co 80120
Contact Name:	Troy Parson
Dates Tested:	03/18/16 – 04/13/16
Date Submitted:	04/18/16
Technician:	Doug Behrendt, Dan Baron
UL Order / Project Number:	11168566 / 4787348464

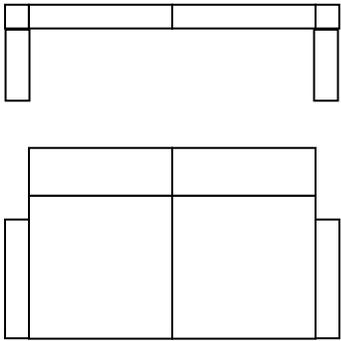
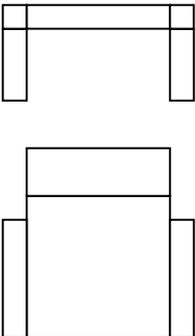
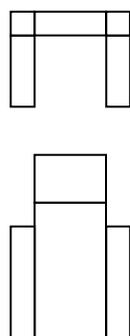
Scope: To test the Genesis / Xybix Panel System distributed by XYBIX Systems, Inc., by subjecting it to the following tests:

Requested Tests:

<u>Test Name</u>	<u>Requirement</u>
Force Stability Test	ANSI/BIFMA X5.6-2016, Section 5.1
Impact Stability Test	ANSI/BIFMA X5.6-2016, Section 5.2
Panel System Strength Test – Static Functional Load	ANSI/BIFMA X5.6-2016, Section 6.2
Panel System Strength Test – Static Proof Load	ANSI/BIFMA X5.6-2016, Section 6.3
Panel Glide Assembly Strength Test	ANSI/BIFMA X5.6-2016, Section 7
Primary Surface Concentrated Functional Load Test	ANSI/BIFMA X5.6-2016, Section 8.1
Horizontal Surface Distributed Functional Load Tests	ANSI/BIFMA X5.6-2016, Section 8.2
Primary Surface Concentrated Proof Load Test	ANSI/BIFMA X5.6-2016, Section 8.3
Horizontal Surface Distributed Proof Load Tests	ANSI/BIFMA X5.6-2016, Section 8.4
Functional Load Test for Panel Mounted Storage Units - Static	ANSI/BIFMA X5.6-2016, Section 8.6
Proof Load Test for Panel Mounted Storage Units - Static	ANSI/BIFMA X5.6-2016, Section 8.7
Top Load Ease Cycle Test (for Primary Surfaces)	ANSI/BIFMA X5.6-2016, Section 10.1
Wear and Fatigue Test for Horizontal Receding Doors	ANSI/BIFMA X5.6-2016, Section 11.8
Drop Cycle Test for Horizontally Hinged and Horizontally Receding Doors	ANSI/BIFMA X5.6-2016, Section 11.11
Upward Force Static Disengagement Test for Panel Mounted Components	ANSI/BIFMA X5.6-2016, Section 12.1
Upward Force Impact Disengagement Test for Panel Mounted Components	ANSI/BIFMA X5.6-2016, Section 12.2
Pull Force Test	ANSI/BIFMA X5.6-2016, Section 13

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Product Description:

<u>Configuration / Specimen</u>	<u>Description</u>
<p>Configuration 1</p> 	<p>Genesis Office Furniture 65"H x 96"W System (UL I.D. 170952):</p> <p>48"H x 48"W Panel Frames (qty 2) 18"H x 48"W Stack-on Frames (qty 2) 42"H x 24"W Return Frames (qty 2) Two Way Corner Connector Blocks (qty 6) Frame to Frame Tube Connector (qty 1) End Condition Connector plates (qty 2) 24" x 48" Work Surface (qty 2) 13"D x 13.5"H x 48"W Flipper Door Storage Unit (qty 1) 13"D x 9"H x 48"W Shelf Unit (qty 1) Double Cantilever Center Work Surface Support (qty 1) Various attachment nuts, bolts, and screws</p>
<p>Configuration 2</p> 	<p>Genesis Office Furniture 65"H x 48"W System (UL I.D. 170953):</p> <p>48"H x 48"W Panel Frame (qty 1) 18"H x 48"W Stack-on Frame (qty 1) 42"H x 24"W Return Frames (qty 2) Two Way Corner Connector Blocks (qty 6) End Condition Connector plates (qty 2) Various attachment nuts, bolts, and screws</p>
<p>Configuration 3</p> 	<p>Genesis Office Furniture 65"H x 24"W System (UL I.D. 170954):</p> <p>48"H x 24"W Panel Frame (qty 1) 18"H x 24"W Stack-on Frame (qty 1) 42"H x 24"W Return Frames (qty 2) Two Way Corner Connector Blocks (qty 6) End Condition Connector plates (qty 2) Various attachment nuts, bolts, and screws</p>
<p>Specimen 1</p>	<p>13"D x 13.5"H x 48"W Flipper Door Storage Unit Equipped with Modified Overhead Locking Clips.</p>
<p>Specimen 2</p>	<p>13"D x 9"H x 48"W Shelf Unit Equipped with Modified Overhead Locking Clips.</p>



Test Report
4787348464

3480 Windquest Dr.
Holland, MI 49424
PH 616-928-0791
www.furnituretest.com



WS #2.

Summary:

<u>Test Name</u>	<u>Config. / Specimen</u>	<u>Results</u>
Force Stability Test	1, 2, and 3	Passed
Impact Stability Test	1, 2, and 3	Passed
Panel System Strength Test – Static Functional Load	1	Passed
Panel System Strength Test – Static Proof Load	1	Passed
Panel Glide Assembly Strength Test	3	Passed
Primary Surface Concentrated Functional Load Test	1	Passed
Horizontal Surface Distributed Functional Load Tests	1	Passed
Primary Surface Concentrated Proof Load Test	1	Passed
Horizontal Surface Distributed Proof Load Tests	1	Passed
Functional Load Test for Panel Mounted Storage Units - Static	Specimen 1 and 2	Passed
Proof Load Test for Panel Mounted Storage Units - Static	Specimen 1 and 2	Passed
Top Load Ease Cycle Test (for Primary Surfaces)	1 and 2	Passed
Wear and Fatigue Test for Horizontal Receding Doors	Specimen 1	Passed
Drop Cycle Test for Horizontally Hinged and Horizontally Receding Doors	Specimen 1	Passed
Upward Force Static Disengagement Test for Panel Mounted Components	Specimen 1 and 2	Passed
Upward Force Impact Disengagement Test for Panel Mounted Components	Specimen 1 and 2	Passed
Pull Force Test	Specimen 1	Passed

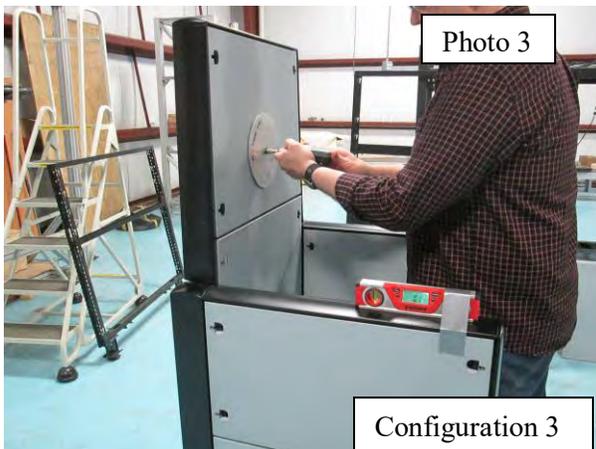
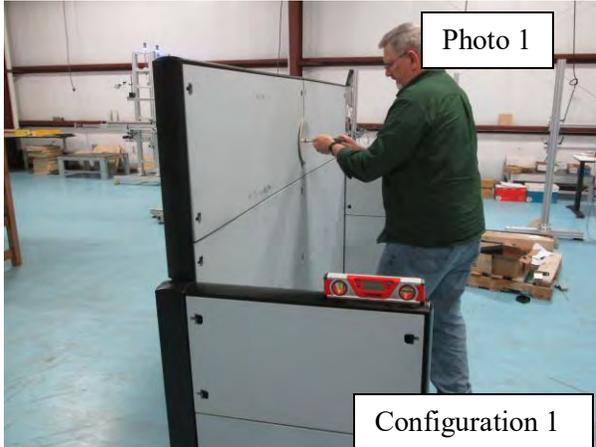
Test Results:

1. Force Stability Test:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 5.1.

Notes:

- Temperature / humidity 71 - 74° F / 49 - 52 RH%
- An applied force was gradually increased to 40 lbs. through an 8 inch disc 54 inches up from the floor, or the configuration tilts to 10°.
- See Photos 1 through 3 for setup.





Test Report
4787348464

3480 Windquest Dr.
Holland, MI 49424
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www.furnituretest.com



WS #2.

1. Force Stability Test: (continued)

<u>Configuration</u>	<u>Force to Tip (lbf)</u>	<u>Observations</u>	<u>Balance Point (°)</u>
Con 1	23.4	Unit did not tip at the 10° mark.	11.3
Con 2	22.9	Unit did not tip at the 10° mark.	15.6
Con 3	21.1	Unit did not tip at the 10° mark.	19.2

Requirement: *The panel system shall not tip over. Components shall not separate from the panel. There shall be no loss of serviceability.*

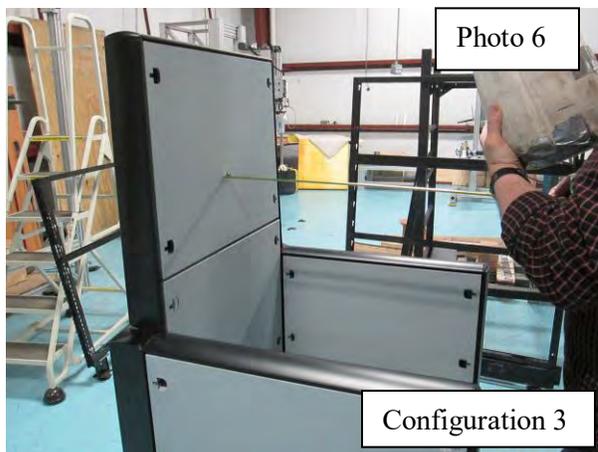
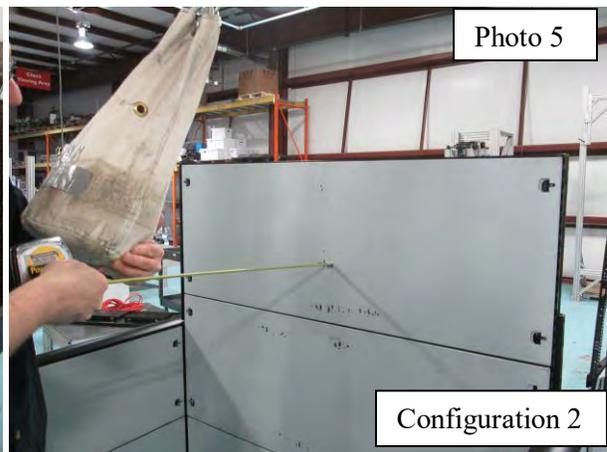
Equipment:	Force gage (117390), Tape measure (117349), Digital level (117596)
------------	--

2. Impact Stability Test:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 5.2.

Notes:

- Temperature / humidity 71 - 73° F / 48 - 52 RH%
- Impact Load: 50 lbs. through an 8 inch diameter bag.
- Pendulum length: 50.5 inches.
- Impact location: 52 inches up from the ground centered from left to right.
- See Photos 4 through 6 for setup.





Test Report
4787348464

3480 Windquest Dr.
Holland, MI 49424
PH 616-928-0791
www.furnituretest.com



WS #2.

2. Impact Stability Test: (continued)

<u>Configuration</u>	<u>Observations</u>
Con 1	Unit did not tip over. No loss of serviceability as a result of the impact.
Con 2	Unit did not tip over. No loss of serviceability as a result of the impact.
Con 3	Unit did not tip over. No loss of serviceability as a result of the impact.

Requirement: *The panel system or screen shall not tip over. Components shall not separate (fall off) from the panel. There shall be no loss of serviceability.*

Equipment:	Tape measure (117349), Scale (117761)
------------	---------------------------------------

3. Panel System Strength Test – Static Functional Load:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 6.2.

Notes:

- Temperature / humidity 73° F / 41 RH%
- Functional Load calculations:

Work surfaces: 240" x 1.5 = 360 lbs.

Shelf: 46.5" x 13" x 12" x 0.017 = 123 lbs.

Flipper Door Unit: 46.5" x 13" x 12" x 0.017 = 123 lbs.

- Functional Loads applied for 1 hour.
- See Photo 7 for setup.



<u>Configuration</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
Configuration 1 Functional	606	60	No loss of serviceability

Requirement: *There shall be no loss of serviceability.*

Equipment:	Tape measure (117349), Stopwatch (126982), Scale (117761)
------------	---

4. Panel System Strength Test – Static Proof Load:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 6.3.

Notes:

- Temperature / humidity 73° F / 41 RH%
- Proof Load calculations:

Work surfaces: 240" x 2.3 = 552 lbs.

Shelf: 46.5" x 13" x 12" x 0.026 = 189 lbs.

Flipper Door Unit: 46.5" x 13" x 12" x 0.026 = 189 lbs.

- Proof Loads applied for 15 minutes.
- See Photo 8 for setup.



<u>Configuration</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
Configuration 1 Proof	930	15	No sudden and major change.

Requirement: *There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.*

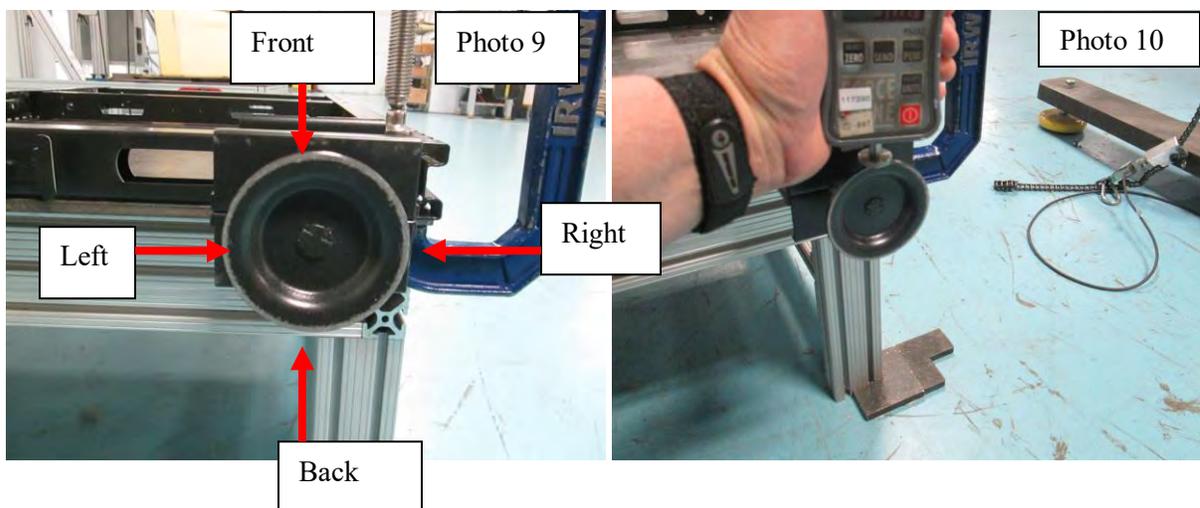
Equipment:	Tape measure (117349), Stopwatch (126982), Scale (117761)
------------	---

5. Panel Glide Assembly Strength Test:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 7.

Notes:

- Temperature / humidity 71° F / 51 RH%
- The forces were applied to the glide in four different directions (see Photo 9).
- Only the 48"H x 24"W Panel Frame for Configuration 3 was tested.
- See Photo 9 for setup.



<u>Specimen</u>	<u>Direction</u>	<u>Force (lbf)</u>	<u>Observations</u>
Configuration 3	Front	50	No loss of serviceability.
	Back	50	No loss of serviceability.
	Left	50	No loss of serviceability.
	Right	50	No loss of serviceability.

Requirement: *There shall be no loss of serviceability.*

Equipment:	Tape measure (117349), Force gage (117390)
------------	--

6. Primary Surface Concentrated Functional Load Test:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 8.1.

Notes:

- Temperature / humidity 73° F / 49 RH%
- Two 200 lb. loads applied through 12" discs positioned 1" in from the front edge and at the side to side center of each work surface.
- See Photo 11 for set up.



<u>Configuration</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
Configuration 1	400 (200 x 2)	60	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Upon the completion of the test, the extendible element(s) shall meet the pull force requirements per Section 13.*

Equipment:	Tape measure (117349), Stopwatch (126982), Scale (117761)
------------	---

7. Horizontal Surface Distributed Functional Load Tests:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 8.2.

Notes:

- Temperature / humidity 73° F / 50 RH%
- Work surface load: 240" x 1.5 = 360 lbs.
- See Photo 12 for set up.



<u>Configuration</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
Configuration 1	360	60	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Upon the completion of the test, the extendible element(s) shall meet the pull force requirements per Section 13.*

Equipment:	Tape measure (117349), Stopwatch (126982), Scale (117761)
------------	---

8. Primary Surface Concentrated Proof Load Tests:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 8.3.

Notes:

- Temperature / humidity 73° F / 49 RH%
- Two 300 lb. loads applied through 12" discs positioned 1" in from the front edge and at the side to side center of each work surface.
- See Photo 13 for set up.



<u>Configuration</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
Configuration 1	600 (300 x 2)	15	No sudden and major change.

Requirement: *There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117349), Stopwatch (126982), Scale (117761)
------------	---

9. Horizontal Surface Distributed Proof Load Tests:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 8.4.

Notes:

- Temperature / humidity 73° F / 49 RH%
- Work surface load: 240" x 2.3 = 552 lbs.
- See Photo 14 for setup.



<u>Configuration</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
Configuration 1	552	15	No sudden and major change.

Requirement: *There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117349), Stopwatch (126982), Scale (117761)
------------	---

10. Functional Load Test for Panel Mounted Storage Units – Static:

Testing was performed per ANSI/BIFMA X5.3-2016, Section 8.6.

Notes:

- Temperature / humidity 72° F / 47 RH%
- The storage unit and shelf unit were tested while installed in Configuration 1.
- Storage Unit load: 46.5 x 13 x 12 x 0.017 = 123 lbs.
- Shelf Unit load: 46.5 x 13 x 12 x 0.017 = 123 lbs.
- Flipper door was opened for test.
- See Photo 14 for setup.



<u>Component</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
Storage Unit	123	60	No loss of serviceability.
Shelf Unit	123	60	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. After the application of this load, the extendible elements shall meet the pull force requirements of Section 13.*

Equipment:	Tape measure (117349), Stopwatch (126982), Scale (117761)
------------	---

11. Proof Load Test for Panel Mounted Storage Units - Static:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 8.7.

Notes:

- Temperature / humidity 73° F / 41 RH%
- The storage unit and shelf unit were tested while installed in Configuration 1.
- Storage Unit load: 46.5 x 13 x 12 x 0.026 = 189 lbs.
- Shelf Unit load: 46.5 x 13 x 12 x 0.026 = 189 lbs.
- Flipper door was opened for test.
- See Photo 15 for setup.



Photo 16

<u>Specimen</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
Storage Unit	189	15	No sudden and major change.
Shelf Unit	189	15	No sudden and major change.

Requirement: *There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117349), Stopwatch (126982), Scale (117761)
------------	---

12. Top Load Ease Cycle Test (for Primary Surfaces):

Testing was performed per ANSI/BIFMA X5.6-2016, Section 10.1.

Notes:

- Temperature / humidity 71 - 72° F / 35 - 52 RH%
- Work surfaces were tested in two configurations:

Configuration 1: (Photo 17) was tested flush with the inside left hand corner of the work surface 1 inch in from the front edge, next to the double cantilevered center work surface support.

Configuration 2: (Photo 18) was tested 1 inch in from the front edge at the side to side center.

- Test rate: 12 - 14 cpm



<u>Configuration</u>	<u>Cycles</u>	<u>Observations</u>
Configuration 1	20,000	No loss of serviceability.
Configuration 2	20,000	No loss of serviceability.

Requirement: *There shall be no loss of serviceability to the unit. Upon completion of the cycling test, the extendible element(s) shall meet the pull force requirements of Section 12.*

Equipment:	Test machine (117505), Stopwatch (126982), Tape measure (117349), Scale (117761)
------------	--

13. Wear and Fatigue Test for Horizontal Receding Doors:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 11.8.

Notes:

- Temperature / humidity 71 - 74° F / 45 - 55 RH%
- Door width: 48" (1/6th of door width = 8").
- The RH and LH location were 8 inches from the outside edge of the door.
- Test rate: 11 cpm
- See Photos 19 - 21 for set up.



Photo 19



Photo 20

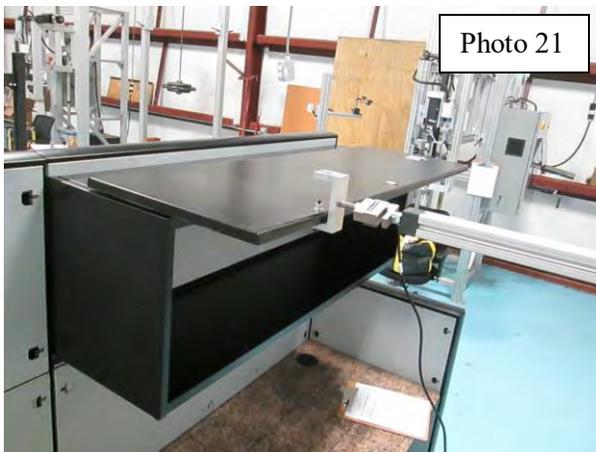


Photo 21

13. Wear and Fatigue Test for Horizontal Receding Doors (continued):

<u>Specimen</u>	<u>Pull Location</u>	<u>Cycles</u>	<u>Observations</u>
1	Center	0	Started test. Pull Force (lbf) = 3.1 (L), 2.6 (center), 2.9 (right)
		10,000	No change.
	RH	10,000	Test resumed.
		15,000	No change.
	LH	15,000	Test resumed.
		20,000	No loss of serviceability. Pull Force (lbf) = 2.2 (L), 1.9 (center), 1.9 (right)

Requirement: *After the cycle test, the door shall meet the pull force requirements of Section 12. (The door may be supported in a horizontal plane during the pull force test.) The door shall have no loss of serviceability.*

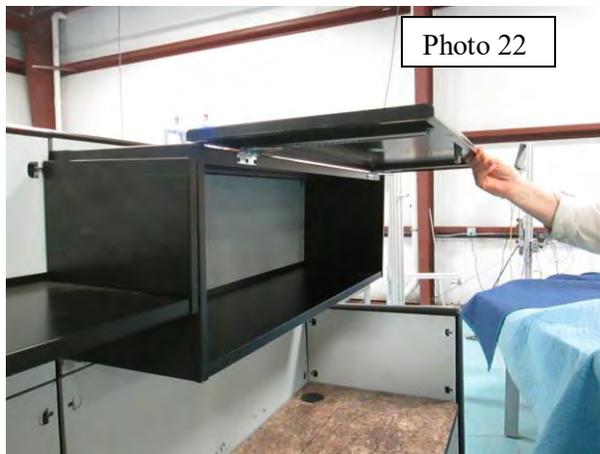
Equipment:	Test machine (127430), Tape measure (117349), Stopwatch (126982), Force gage (117390), Digital level (117596)
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14. Drop Test for Horizontally Hinged and Horizontally Receding Doors:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 11.11

Notes:

- Temperature / humidity 72° F / 52 - 53 RH%
- The flipper door unit was attached to the panel system in its normal fashion for the test.
- The flipper door was manually opened to 90° and then allowed to slam shut for 200 cycles.
- See Photos 22 and 23 for set up.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	200	No loss of serviceability observed.

Requirement: *There shall be no loss of serviceability to the unit or its components.*

Equipment:	Tape measure (117349), Digital protractor (117377), Stopwatch (126982)
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15. Upward Force Static Disengagement Test for Panel Mounted Components:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 12.1.

Notes:

- Temperature / humidity 71° F / 52 RH%
- The work surfaces, storage unit and shelf unit were attached to the panel system in its normal fashion for the test.
- Force location (Balance point):
Flipper Door Unit: 8.387 inches from back of unit.
Shelf Unit: 7.75 inches from back of unit.
Work Surface: RH front corner right next to the double cantilevered center work surface support.
- See Photos 24 - 26 for set up.



15. Upward Force Static Disengagement Test for Panel Mounted Components (continued):

<u>Configuration</u>	<u>Component</u>	<u>Force (lbf)</u>	<u>Observations</u>
1	Worksurface	130	No dislodgment observed.
	Storage unit	110	No dislodgment observed.
	Shelf unit	110	No dislodgment observed.
2	Worksurface	130	No dislodgment observed.
	Storage unit	110	No dislodgment observed.
	Shelf unit	110	No dislodgment observed.

Requirement: *The component shall not become disengaged. No loss of serviceability shall result from application of the force. If it is unclear if disengagement has occurred, apply a proof load per Table 1. The unit shall not become disengaged upon application of the proof load.*

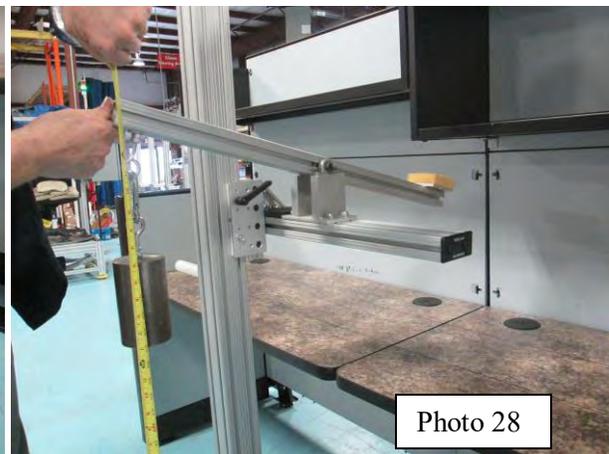
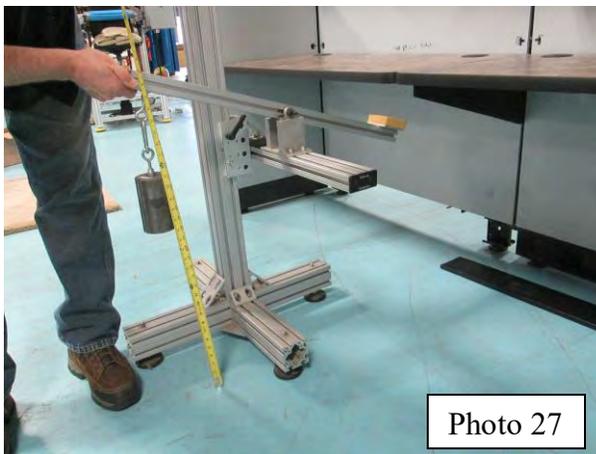
Equipment:	Tape measure (117349), Force gage (117390)
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16. Upward Force Impact Disengagement Test for Panel Mounted Components:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 12.2.

Notes:

- Temperature / humidity 75° F / 46 RH%
- The work surfaces, storage unit and shelf unit were attached to the panel system in its normal fashion for the test.
- See Photos 27 - 29 for set up.



16. Upward Force Impact Disengagement Test for Panel Mounted Components:

<u>Configuration</u>	<u>Component</u>	<u>Impact Location</u>	<u>Observations</u>
1	Worksurface	Front edge Corner	No dislodgement observed.
	Storage unit	Front edge Corner	No dislodgement observed.
	Shelf unit	Front edge Corner	No dislodgement observed.
2	Worksurface	Front edge Corner	No dislodgement observed.
	Storage unit	Front edge Corner	No dislodgement observed.
	Shelf unit	Front edge Corner	No dislodgement observed.

Requirement: *The component shall not become disengaged. No loss of serviceability shall result from application of the force. If it is unclear if disengagement has occurred, apply a proof load per Table 1. The unit shall not become disengaged upon application of the proof load.*

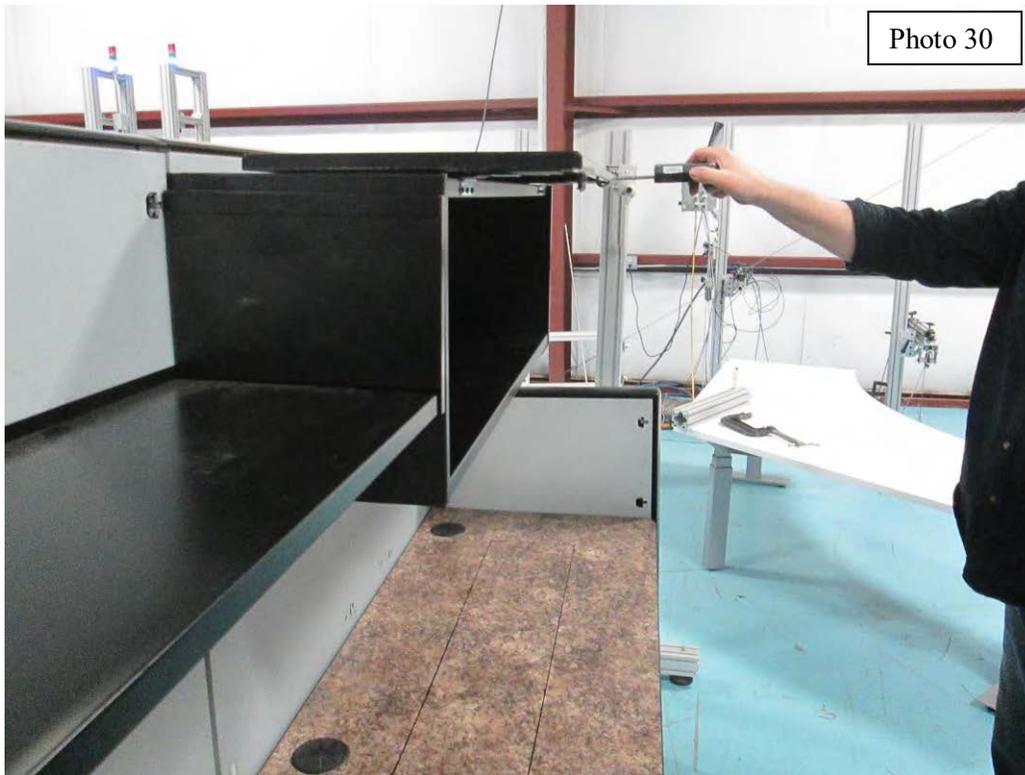
Equipment:	Tape measure (117349), Scale (TD-008), Digital level (117596)
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17. Pull Force Test:

Testing was performed per ANSI/BIFMA X5.6-2016, Section 13.

Notes:

- Temperature / humidity 72° F / 52 RH%
- Flipper door was supported horizontally at one end under the door with beams and roller bearings to ensure smooth function.
- Specimen 1 tested.
- See Photo 30 for set up.



<u>Component</u>	<u>Pull Force (lbf)</u>
Flipper Door	2.2 (Left), 1.9 (Center), 1.9 (Right)

Requirement: The force shall not exceed 50N (11.2 lbf.).

Equipment:	Force gage (117390)
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Written by: Dan Baron – Project Specialist
Reviewed by: Dan Kolean – Lab Manager – Holland, MI
Approved by: Dan Kolean – Lab Manager – Holland, MI

Version 1.0

Test Request Number: AFT-02774

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Requester:	XYBIX Systems, Inc. 8207 SouthPark Circle Littleton, Co 80120
Contact Name / Number:	Toby Alonge (800) 788-2810
Dates Tested:	03/26/15 to 04/16/15
Date Submitted:	04/21/15
Technician:	Doug Behrendt, Matt DeKock, Ron Day, Dan Baron
Customer Request I.D.	N/A

Scope: To evaluate a XYBIX 48" Lateral File Unit manufactured by XYBIX Systems, Inc., by subjecting it to the following tests:

Requested Tests:

<u>Test Name</u>	<u>Requirement</u>
Distributed Functional Load Test	ANSI/BIFMA X5.9-2012, Section 4.3
Distributed Proof Load Test	ANSI/BIFMA X5.9-2012, Section 4.5
Extendible Element Proof Load Test	ANSI/BIFMA X5.9-2012, Section 4.6
Leg/Glide Assembly Strength Test	ANSI/BIFMA X5.9-2012, Section 5
Racking Resistance Test	ANSI/BIFMA X5.9-2012, Section 6
Horizontal Force Stability for Tall Storage Units	ANSI/BIFMA X5.9-2012, Section 9.2
Stability Test for Type I Units with at least one Extendible Element	ANSI/BIFMA X5.9-2012, Section 9.3
Stability Test for Type I Units with Multiple Extendible Elements	ANSI/BIFMA X5.9-2012, Section 9.4
Vertical Force Stability for Storage Units	ANSI/BIFMA X5.9-2012, Section 9.6
Rebound Tests	ANSI/BIFMA X5.9-2012, Section 12
Extendible Element Retention Impact and Durability (Out Stop) Test	ANSI/BIFMA X5.9-2012, Section 13
Force Test for Extendible Element Locks	ANSI/BIFMA X5.9-2012, Section 14.2
Locking Mechanism Cycle Test	ANSI/BIFMA X5.9-2012, Section 14.4
Cycle Test for Extendible Elements Wider Than Deep That Do Not Swivel	ANSI/BIFMA X5.9-2012, Section 15.3
Interlock Strength Test	ANSI/BIFMA X5.9-2012, Section 16
Pull Force Test	ANSI/BIFMA X5.9-2012, Section 20

Product Description:

<u>Specimen</u>	<u>Description</u>	<u>Supplier</u>
1	48" Lateral File Unit	XYBIX Systems, Inc.

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Summary:

<u>Test Name</u>	<u>Results</u>
Distributed Functional Load Test	Met Requirement
Distributed Proof Load Test	Met Requirement
Extendible Element Proof Load Test	Met Requirement
Leg/Glide Assembly Strength Test	Met Requirement
Racking Resistance Test	Met Requirement
Horizontal Force Stability for Tall Storage Units	Met Requirement
Stability Test for Type I Units with at least one Extendible Element	Met Requirement
Stability Test for Type I Units with Multiple Extendible Elements	Met Requirement
Vertical Force Stability for Storage Units	Met Requirement
Rebound Tests	Met Requirement
Extendible Element Retention Impact and Durability (Out Stop) Test	Met Requirement
Force Test for Extendible Element Locks	Met Requirement
Locking Mechanism Cycle Test	Met Requirement
Cycle Test for Extendible Elements Wider Than Deep That Do Not Swivel	Met Requirement
Interlock Strength Test	Met Requirement
Pull Force Test	Met Requirement

Load Calculations:

<u>Specimen</u>	<u>Component</u>	<u>Calculation</u>	<u>Load</u>
1		<u>BIFMA Functional</u>	
	Unit Top	(48"w x 24"d) x 0.20	230 lbs.
	Drawer 1	(43.25"w x 15.25"d x 11.5"h) x 0.017	129 lbs.
	Drawer 2	(43.25"w x 15.25"d x 11.0"h) x 0.017	123 lbs.
	Drawer 3	(43.25"w x 15.25"d x 11.0"h) x 0.017	123 lbs.
		<u>BIFMA Proof</u>	
	Unit Top	(48"w x 24"d) x 0.30	346 lbs.
	Drawer 1	(43.25"w x 15.25"d x 11.5"h) x 0.026	197 lbs.
	Drawer 2	(43.25"w x 15.25"d x 11.0"h) x 0.026	189 lbs.
	Drawer 3	(43.25"w x 15.25"d x 11.0"h) x 0.026	189 lbs.

Test Results:

1. Distributed Functional Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.3.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- The unit top and components were loaded according to the functional load as calculated on Page 2.
- The top drawer was fully extended during the test.
- The load was applied for 60 minutes.
- See Photo 1 for setup.



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1. Distributed Functional Load Test: (continued)

<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	230 lbs.	60 min.	No loss of serviceability.

Pull Force Measurements:

<u>Drawer</u>	<u>Pull Force</u>
Drawer 1	9.2 lbf
Drawer 2	8.3 lbf
Drawer 3	10.5 lbf

Requirement: *There shall be no loss of serviceability. Each of the extendible elements shall meet the pull force requirements of Section 20.*

Equipment:	Tape measure (TD-098), Stopwatch (TD-095), Force gage (TD-007), Scale (TD-008), Digital level (TD-073)
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2. Distributed Proof Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.5.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- The unit top was loaded according to the proof load as calculated on Page 2.
- The unit drawers were loaded according to the functional load as calculated on page 2 and the top drawer was fully extended during the test.
- The load was applied for 15 minutes.
- See Photo 2 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	346 lbs.	15 min.	No sudden and major change in structural integrity.

Requirement: *The application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

Equipment:	Tape measure (TD-098), Stopwatch (TD-095), Scale (TD-008), Digital level (TD-073)
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3. Extendible Element Proof Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.6.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- Drawer 1 was loaded according to the proof load as calculated on Page 2.
- The drawer spent 15 minutes closed and 15 minutes open while loaded with the proof load.
- See Photo 3 for setup.



<u>Specimen</u>	<u>Drawer</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
1	Closed	197	15	No sudden and major change in structural integrity.
	Open	197	15	No sudden and major change in structural integrity.

Requirement: *The application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

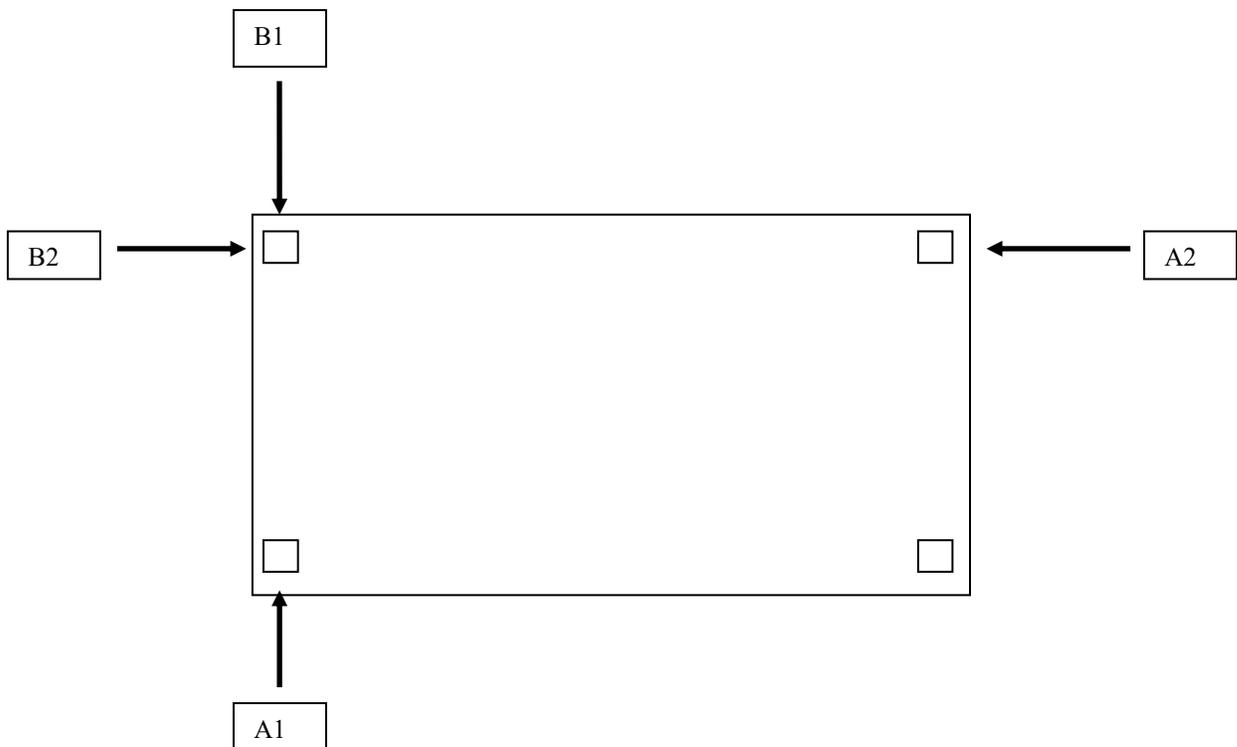
Equipment:	Tape measure (TD-098), Stopwatch (TD-095), Scale (TD-008), Digital level (TD-073)
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4. Leg/Glide Assembly Strength Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 5.

Notes:

- Temperature / humidity 73° F / 49 RH%.
- Unit weight: 340 lbs.
- Loads were applied at the highest point that did not cause tipping.
- A 0.5" metal obstruction was placed around the tested glide in order to prevent the unit from moving while the loads were being applied.
- See diagram below for load directions and Photo 4 for setup.



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4. Leg/Glide Assembly Strength Test (continued):



<u>Specimen</u>	<u>Load (lb.)</u>	<u>Direction</u>	<u>Observations</u>
1	100	A1	No loss of serviceability.
	100	A2	No loss of serviceability.
	50	B1	No loss of serviceability.
	50	B2	No loss of serviceability.
	150	A1	No sudden and major change in structural integrity.
	150	A2	No sudden and major change in structural integrity.
	75	B1	No sudden and major change in structural integrity.
	75	B2	No sudden and major change in structural integrity.

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4. Leg/Glide Assembly Strength Test (continued):

Pull Force Measurements:

<u>Component</u>	<u>Force</u>
Drawer 1	7.9 lbf
Drawer 2	6.3 lbf
Drawer 3	8.4 lbf

Requirement: *Functional Load: No loss of serviceability shall occur as a result of the application of the functional loads. After the application of the functional loads, each extendible element or door shall meet the pull force requirements of Section 20.*

Proof Load: *Application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

Equipment:	Force gage (TD-055), Scale (TD-008), Tape measure (TD-098), Level (TD-073)
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5. Racking Resistance Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 6.

Notes:

- Temperature / humidity 77° F / 43 RH%.
- Each corner of the unit was supported on a 6" x 6"x 1" steel block.
- The unit components were loaded with the functional loads as calculated on Page 2.
- A 50 lb. load was applied to the left front and right rear corners of the unit top through 9"x 9" wooden squares.
- The steel support blocks were removed under each of the loaded corners for 60 minutes.
- See Photo 5 for setup.



<u>Specimen</u>	<u>Time</u>	<u>Observations</u>
1	60 min.	No loss of serviceability.

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5. Racking Resistance Test: (continued)

Pull Force Measurements:

<u>Component</u>	<u>Force</u>
Drawer 1	7.9 lbf
Drawer 2	6.3 lbf
Drawer 3	8.4 lbf

Requirement: *The storage unit shall have no loss of serviceability. All extendible elements shall be tested to and meet the pull force test as defined in Section 20.*

Equipment:	Tape measure (TD-098), Stopwatch (TD-095), Force gage (TD-007), Scale (TD-008)
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6. Horizontal Force Stability Test for Tall Storage Units:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 9.2.

Notes:

- Temperature / humidity 73° F / 42 RH%.
- A load of 2 lbs. per inch of width (43.25" x 2 lbs. = 87 lbs.) was placed on the unit bottom.
- A force was applied through an 8" diameter disc centered 4" down from the top edge at the following locations:
 - A) Left side of the front of the unit
 - B) Right side of the front of the unit
 - C) Left side of the rear of the unit
 - D) Right side of the rear of the unit
 - E) Left side of the unit
 - F) Right side of the unit
- The force was applied until 40 lbf or 10° of tip was achieved.
- See Photo 6 for setup.



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6. Horizontal Force Stability Test for Tall Storage Units: (continued)

<u>Specimen</u>	<u>Location</u>	<u>Force (lbf)</u>	<u>Angle (°)</u>	<u>Observations</u>
1	A	40	N/A	Unit did not tip.
	B	40	N/A	Unit did not tip.
	C	40	N/A	Unit did not tip.
	D	40	N/A	Unit did not tip.
	E	40	N/A	Unit did not tip.
	F	40	N/A	Unit did not tip.

Requirement: *The unit shall not tip over, there shall be no loss of serviceability. Components shall not become totally separated from the storage unit. If the doors interfere with the unit tipping, the unit must meet the 10-degree tilt requirement with the doors in their closed position (during the C and D force applications).*

Equipment:	Force gage (TD-007), Digital level (TD-073), Tape measure (TD-094), 8" Disc (TD-049.1)
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7. Stability Test for Type I Units with at Least One Extendible Element:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 9.3.

Notes:

- Temperature / humidity 73° F / 42 RH%.
- Drawer 1 was loaded with the functional load as calculated on Page 2.
- The unit bottom was loaded to 0.005 lb/in³ (36 lbs.) and then closed.

(43.25"w x 15.25"d x 11.0"h = 36 lbs.)

- The drawer with the functional load was fully opened and a 10 lb. outward force was applied.
- See Photo 7 for setup.



<u>Specimen</u>	<u>Outward Force</u>	<u>Observations</u>
1	10.0 lbf	Unit did not tip over.

Requirement: The storage unit shall not tip over.

Equipment:	Force gage (TD-007), Tape measure (TD-098), Scale (TD-008), Level (TD-073)
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8. Stability Test for Type I Storage Units with Multiple Extendible Elements:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 9.4.

Notes:

- Temperature / humidity 73° F / 42 RH%.
- Drawer 1 was loaded with the functional load as calculated on Page 2 and opened.
- See Photo 8 for setup.



<u>Specimen</u>	<u>Observations</u>
1	The unit did not tip over.

Requirement: *The storage unit shall not tip over and the interlock system, if present, shall have no loss of serviceability.*

Equipment:	Tape measure (TD-098), Scale (TD-008), Level (TD-073)
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9. Vertical Force Stability Test for Storage Units:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 9.6.

Notes:

- Temperature / humidity 73° F / 42 RH%.
- A load of 2 lbs. per inch of width (43.25" x 2 lbs. = 87 lbs.) was placed on the unit bottom.
- A 50 lb. load was suspended on a vertical line 5 inches in front of the outermost edge of the unit top. The fixture used to apply the load was neutrally balanced so that it did not affect the stability of the unit.
- See Photo 9 for setup.



<u>Specimen</u>	<u>Load</u>	<u>Observations</u>
1	50 lbs.	Unit did not tip over.

Requirement: The unit shall not tip over.

Equipment:	Tape measure (TD-094), Scale (TD-008), Level (TD-073)
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10. Rebound Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 12.

Notes:

- Temperature / humidity 74° F / 50 RH%.
- The drawer was loaded with the functional load as calculated on Pg. 2.
- A spring force gage was positioned 2" from the center of the drawer face.
- The drawer was pulled back against the gage to a force of 40 lbs.
- The drawer was then released and allowed to close with the "at rest" position recorded.
- The drawer was tested 5 times.
- See Photo 10 for setup.



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10. Rebound Test (continued):

<u>Specimen</u>	<u>Cycles</u>	<u>Rebound Positions (in.)</u>	<u>Pre-Test Pull Force (lbf.)</u>
1 (Drawer 2)	0		8.3
	1	0.00	
	2	0.00	
	3	0.00	
	4	0.00	
	5	0.00	

Requirement: Before performing the Rebound Test, the extendible element shall meet the pull force requirements of Section 20. The rebound position of the extendible element shall not exceed 38 mm (1.5 in.) from its closed position after each of five closings.

Equipment:	Force gage (TD-007), Tape measure (TD-098), Spring force gage (TD-001), Scale (TD-008), Level (TD-073)
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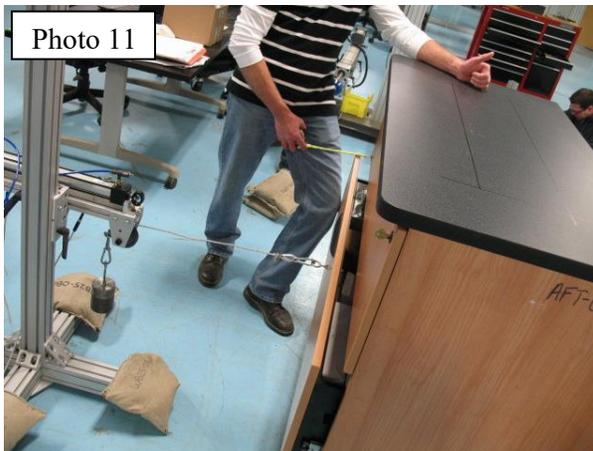
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11. Extendible Element Retention Impact and Durability (Out Stop) Tests:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 13.

Notes:

- Temperature / humidity 73 - 77° F / 47 - 51 RH%.
- Drawer 2 was loaded with the functional load as calculated on pg. 2.
- A test weight of 9.0 lbs. used.
- Test consisted of 5 cycles with the drawer traveling from 1.5" from fully closed to full extension with the test weight restrained at 80% of full extension then 15,000 cycles with the drawer traveling from 2" from fully opened to full extension with the weight unrestrained.
- Test rate: 9 cpm.
- See Photos 11 (restrained) and 12 (unrestrained) for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	0	Pre-test pull force: 8.5 lbf Test begun with weight restrained.
	5	No loss of serviceability.
	0	Test begun with weight unrestrained.
	15,000	No loss of serviceability. Post-test pull force: 8.9 lbf

Requirement: After performing the Out Stop Test, the extendible element shall meet the pull force requirements of Section 20. There shall be no loss of serviceability.

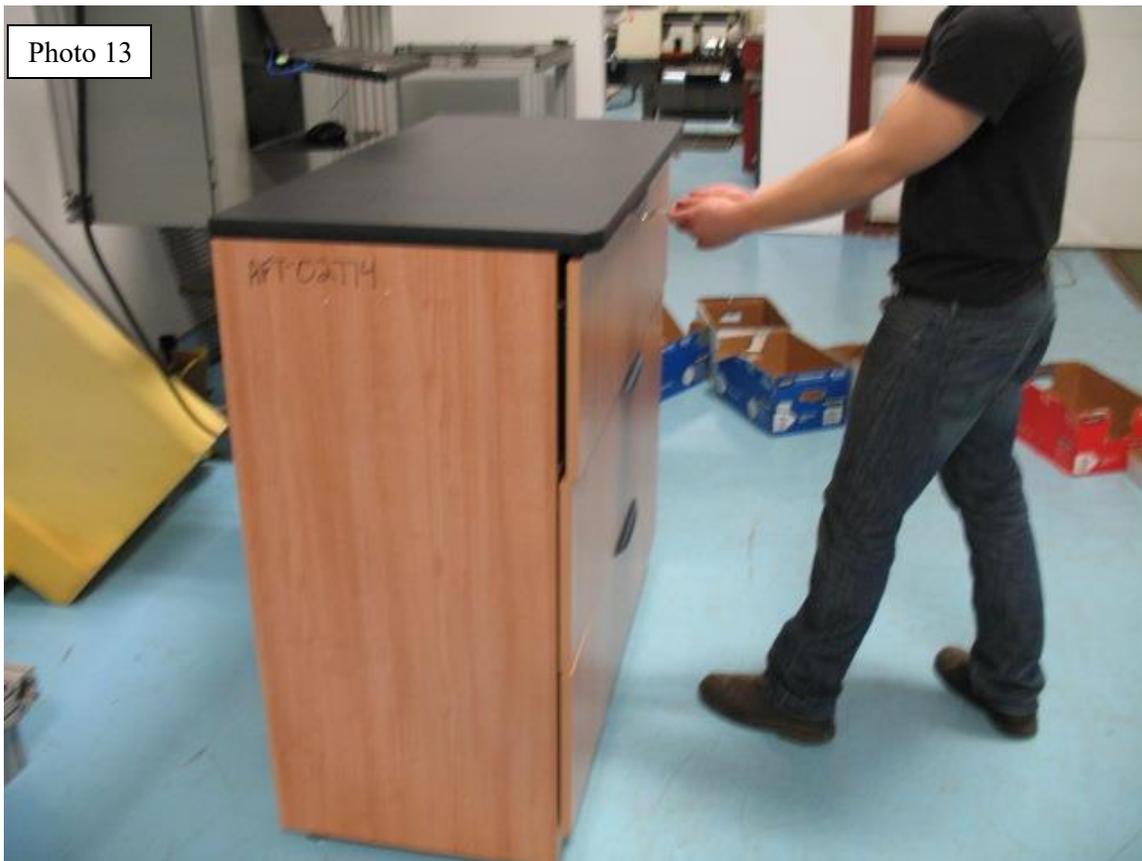
Equipment:	Test machine (TM-014), Force gage (TD-007), Tape measure (TD-098), Stopwatch (TD-095), Scale (TD-008), Level (TD-073)
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12. Force Test for Extendible Element Locks:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 14.2.

Notes:

- Temperature / humidity 74° F / 47 RH%.
- A 50 lb. outward force was applied perpendicular to the drawer front and then 30-degrees up from perpendicular.
- The test was performed with the drawers empty and then with the functional loads applied to all the extendible elements as calculated on page 2.
- See Photo 13 for setup.



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12. Force Test for Extendible Element Locks: (continued)

<u>Specimen</u>	<u>Drawer</u>	<u>Load</u>	<u>Direction</u>	<u>Force</u>	<u>Observations</u>
1	1	0 lbs.	Horizontal	50 lbs.	No loss of serviceability.
			30° up	50 lbs.	No loss of serviceability.
		129 lbs.	Horizontal	50 lbs.	No loss of serviceability.
			30° up	50 lbs.	No loss of serviceability.
	2	0 lbs.	Horizontal	50 lbs.	No loss of serviceability.
			30° up	50 lbs.	No loss of serviceability.
		123 lbs.	Horizontal	50 lbs.	No loss of serviceability.
			30° up	50 lbs.	No loss of serviceability.
	3	0 lbs.	Horizontal	50 lbs.	No loss of serviceability.
			30° up	50 lbs.	No loss of serviceability.
		123 lbs.	Horizontal	50 lbs.	No loss of serviceability.
			30° up	50 lbs.	No loss of serviceability.

Requirement: *The doors shall remain in the normal locked position during application of the forces. There shall be no loss of serviceability of the locking mechanism.*

Equipment:	Tape measure (TD-098), Force gage (TD-007), Digital level (TD-073), Scale (TD-008)
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Test Request Number: AFT-02774

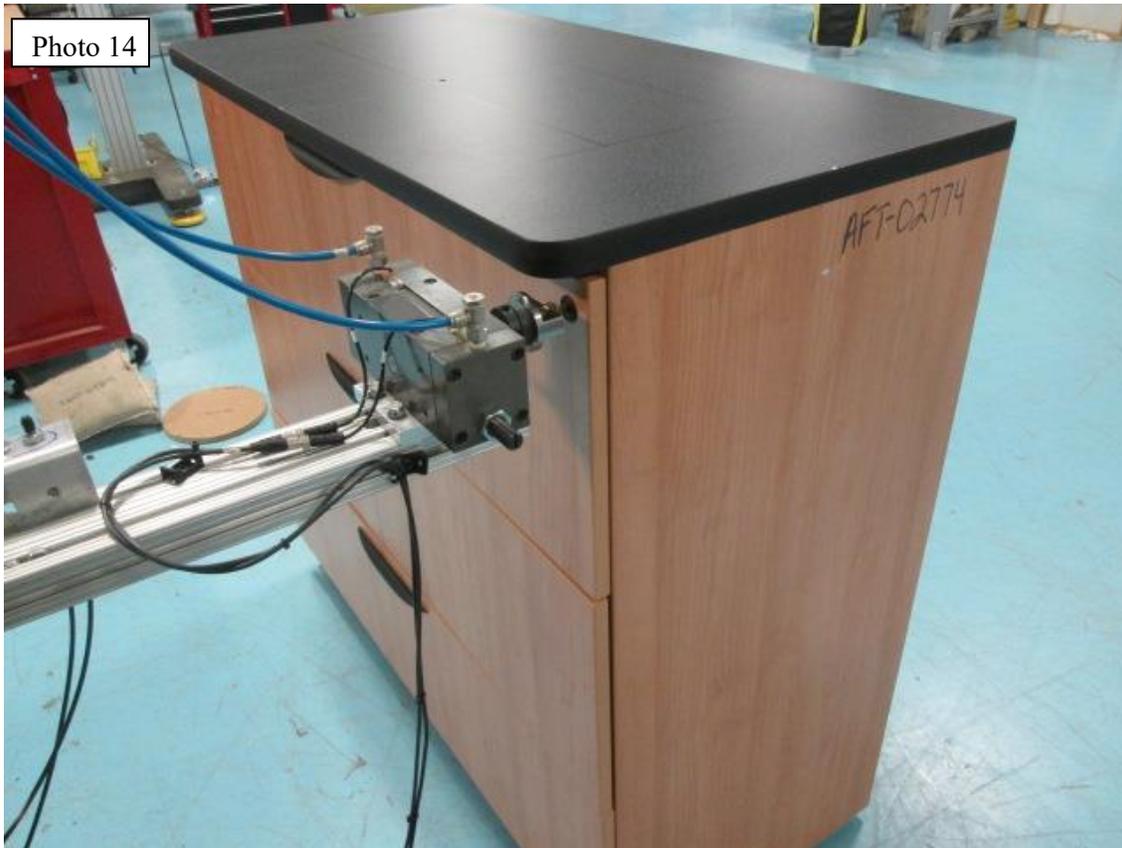
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13. Locking Mechanism Cycle Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 14.4.

Notes:

- Temperature / humidity 73° F / 40 RH%.
- The locking mechanism was cycled from the locked to unlocked position and back once per cycle.
- Test rate: 18 cpm.
- See Photo 14 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	0	Test begun.
	5,000	No loss of serviceability.

Requirement: *There shall be no loss of serviceability of the locking mechanism.*

Equipment:	Test machine (TM-015), Stopwatch (TD-010)
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14. Cycle Test for Extendible Elements Wider Than Deep That Do Not Swivel:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 15.3.

Notes:

- Temperature / humidity 73 - 76° F / 44 - 49 RH%.
- The drawer was loaded with the functional load as calculated on page 2.
- Drawer was cycled from fully closed to fully open and back once per cycle.
- Test rate: 9 cpm.
- See Photo 15 for setup.



<u>Specimen</u>	<u>Location</u>	<u>Cycles</u>	<u>Observations</u>
1	Center	0	Test begun. Pre-test pull force: 10.9 lbs.
		50,000	No loss of serviceability. Post-test pull force: 9.9 lbs.

Requirement: *There shall be loss of serviceability. Before and after the cycle test, the extendible element(s) shall meet the pull force requirements of Section 20. After the cycle test, the extendible elements, if applicable shall meet the interlock test requirements of Section 16. If the unit is equipped with a stabilizing device, it may be necessary to reevaluate the stability of the unit per Section 9.4 to determine if the unit performs adequately.*

Equipment:	Test machine (TM-015), Force gage (TD-007), Tape measure (TD-099), Stopwatch (TD-002), Scale (TD-008), Level (TD-073)
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15. Interlock Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 16.

Notes:

- Temperature / humidity 73° F / 49 RH%.
- Specimen was tested with the drawers unloaded and then loaded with the functional load as described on pg. 2.
- One drawer was opened and a 30 lb. outward force was applied to each of the others.
- Test was performed with each possible combination tested.
- See Photo 16 for set up.



<u>Specimen</u>	<u>Drawer Open</u>	<u>Force (lbf)</u>	<u>Observations</u>
1	1	30	Drawers 2 and 3 did not bypass interlock.
(unloaded)	2	30	Drawers 1 and 3 did not bypass interlock.
	3	30	Drawers 1 and 2 did not bypass interlock.
1	1	30	Drawers 2 and 3 did not bypass interlock.
(loaded)	2	30	Drawers 1 and 3 did not bypass interlock.
	3	30	Drawers 1 and 2 did not bypass interlock.

Requirement: *There shall be loss of serviceability to the interlock system. The unopened extendible elements shall not bypass the interlock system.*

Equipment:	Force gage (TD-007), Tape measure (TD-098), Scale (TD-008) Level (TD-073)
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16. Pull Force Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 20.

Notes:

- Temperature / humidity 77° F / 42 RH%
- The drawers were loaded with the functional loads as calculated on page 2.
- Force measured to pull the drawer from fully closed to fully open.
- See Photo 17 for setup.



<u>Component</u>	<u>Force (lbf)</u>
Drawer 1	8.9
Drawer 2	7.2
Drawer 3	10.2

Requirement: The applied force shall not exceed 50 N (11.2 lbf.).

Equipment:	Force gage (TD-007), Scale (TD-008), Level (TD-073), Tape measure (TM-098)
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Reviewed by: Dan Kolean
 Approved by: Dan Kolean

Version 1.0



A UL Company

Test Request Number: AFT-02774

3480 Windquest Dr.
Holland, MI 49424
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WS #2.

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Reviewed by: Dan Kolean
Approved by: Dan Kolean

Version 1.0

Requester:	Xybix Systems Inc. 8207 Southpark Cir Littleton, CO 80120
Contact Name:	Troy Parson
Dates Tested:	03/01/16 to 03/16/16
Date Submitted:	03/17/16
Technician:	Ron Day
UL Order / Project Number:	1101135974 / 4787348468

Scope: To test the Three Drawer Fixed Pedestal Unit, manufactured by Xybix Systems Inc., by subjecting it to the following tests:

Requested Tests:

<u>Test Name</u>	<u>Requirement</u>
Concentrated Functional Load Test	ANSI/BIFMA X5.9-2012, Section 4.2
Distributed Functional Load Test	ANSI/BIFMA X5.9-2012, Section 4.3
Concentrated Proof Load Test	ANSI/BIFMA X5.9-2012, Section 4.4
Distributed Proof Load Test	ANSI/BIFMA X5.9-2012, Section 4.5
Extendible Element Proof Load Test	ANSI/BIFMA X5.9-2012, Section 4.6
Leg/Glide Assembly Strength Test	ANSI/BIFMA X5.9-2012, Section 5
Top Load Ease Test - Cyclic	ANSI/BIFMA X5.9-2012, Section 7.1
Rebound Test	ANSI/BIFMA X5.9-2012, Section 12
Extendible Element Retention Impact and Durability (Out Stop) Tests	ANSI/BIFMA X5.9-2012, Section 13
Force Test for Extendible Element Locks	ANSI/BIFMA X5.9-2012, Section 14.2
Locking Mechanism Cycle Test	ANSI/BIFMA X5.9-2012, Section 14.4
Cycle Test for Extendible Elements Deeper Than Wide That Do Not Swivel	ANSI/BIFMA X5.9-2012, Section 15.2
Pull Force Test	ANSI/BIFMA X5.9-2012, Section 20

Product Description:

<u>Specimen</u>	<u>UL ID</u>	<u>Description</u>	<u>Supplier</u>
1	170957	Three Drawer Fixed Pedestal Unit – P/N 11352	Xybix Systems Inc.

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Summary:

<u>Test Name</u>	<u>Results</u>
Concentrated Functional Load Test	Passed
Distributed Functional Load Test	Passed
Concentrated Proof Load Test	Passed
Distributed Proof Load Test	Passed
Extendible Element Proof Load Test	Passed
Leg/Glide Assembly Strength Test	Passed
Top Load Ease Test - Cyclic	Passed
Rebound Test	Passed
Extendible Element Retention Impact and Durability (Out Stop) Tests	Passed
Force Test for Extendible Element Locks	Passed
Locking Mechanism Cycle Test	Passed
Cycle Test for Extendible Elements Deeper Than Wide That Do Not Swivel	Passed
Pull Force Test	Passed

Load Calculations:

<u>Specimen</u>	<u>Component</u>	<u>Calculation</u>	<u>Load</u>
1	Functional		
	Unit Top	$(18"w \times 22"d) \times 0.2$	79 lbs.
	Drawer 1	$(12.25"w \times 17"d \times 5"h) \times 0.017$	18 lbs.
	Drawer 2	$(12.25"w \times 17"d \times 5.75"h) \times 0.017$	20 lbs.
	Drawer 3	$(12"w \times 17"d \times 10.625"h) \times 0.017$	37 lbs.
	Proof		
	Unit Top	$(18"w \times 22"d) \times 0.3$	119 lbs.
	Drawer 1	$(12.25"w \times 17"d \times 5"h) \times 0.026$	27 lbs.
	Drawer 2	$(12.25"w \times 17"d \times 5.75"h) \times 0.026$	31 lbs.
	Drawer 3	$(12"w \times 17"d \times 10.625"h) \times 0.026$	56 lbs.

Test Results:

1. Concentrated Functional Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.2.

Notes:

- Temperature / humidity 73° F / 46 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- A 200 lb. load was applied through a 12" disc.
- The load was applied for 60 minutes.
- A drawer was opened for the duration of the test.
- See Photo 1 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	200 lbs.	60 min	No loss of serviceability.

1. Concentrated Functional Load Test (continued):

Pull Force:

<u>Specimen</u>	<u>Component</u>	<u>Pull Force (lbs.)</u>
1	Drawer 1	9.7
	Drawer 2	9.4
	Drawer 3	10.7

Requirement: *There shall be no loss of serviceability. Each of the extendible elements shall meet the pull force requirements of Section 20.*

Equipment:	Force gage (117390), Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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2. Distributed Functional Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.3.

Notes:

- Temperature / humidity 73° F / 46 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- The load was applied for 60 minutes.
- A drawer was opened for the duration of the test.
- See Photo 2 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	79 lbs.	60 min	No loss of serviceability.

2. Distributed Functional Load Test (continued):

Pull Force:

<u>Specimen</u>	<u>Component</u>	<u>Pull Force (lbs.)</u>
1	Drawer 1	8.9
	Drawer 2	9.4
	Drawer 3	10.4

Requirement: *There shall be no loss of serviceability. Each of the extendible elements shall meet the pull force requirements of Section 20.*

Equipment:	Force gage (117390), Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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3. Concentrated Proof Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.4.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- All drawers were loaded with the functional loads as calculated on page 2.
- A 300 lbs. load was applied through a 12" disc.
- A drawer was opened for the duration of the test.
- See Photo 3 for setup.



<u>Specimen</u>	<u>Proof Load</u>	<u>Time</u>	<u>Observations</u>
1	300 lbs.	15 min.	No sudden and major change in structural integrity.

Requirement: *The application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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4. Distributed Proof Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.5.

Notes:

- Temperature / humidity 73° F / 52 RH%.
- All drawers were loaded with the functional loads as calculated on page 2.
- The load was applied for 15 minutes.
- A drawer was opened for the duration of the test.
- See Photo 4 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	119 lbs.	15 min.	No sudden and major change in structural integrity.

Requirement: *The application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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5. Extendible Element Proof Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.6.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- All drawers were loaded with the functional loads as calculated on page 2.
- The proof load was then applied to the largest drawer.
- The drawer spent 15 minutes closed, and 15 minutes open while loaded with the proof load.
- See Photo 5 for setup.



<u>Specimen</u>	<u>Drawer</u>	<u>Time</u>	<u>Observations</u>
1	Closed	15 min.	No sudden and major change in structural integrity.
	Open	15 min.	No sudden and major change in structural integrity.

Requirement: *The application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117768), Stopwatch (126980), Digital scale (117381), Digital level (117596)
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6. Leg/Glide Assembly Strength Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 5.

Notes:

- Temperature / humidity 72° F / 51 RH%.
- Unit weight: 94 lbs.
- Based on the unit weight the loads used were as follows:

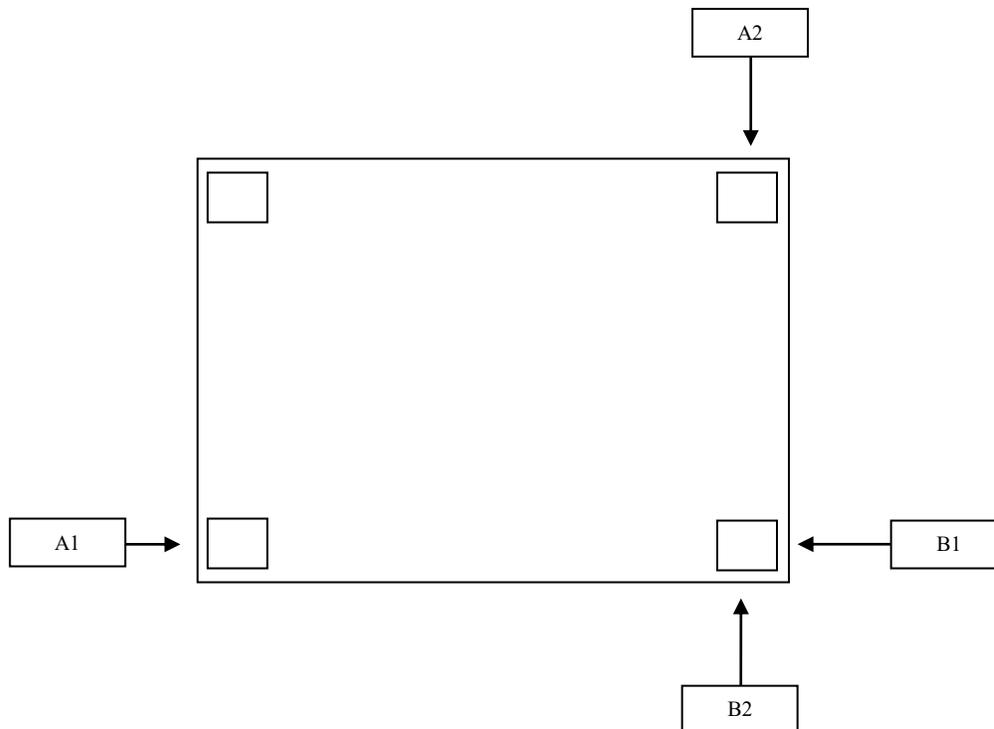
Functional A = 97 lbs.

Functional B = 49 lbs.

Proof A = 146 lbs.

Proof B = 73 lbs.

- Loads were applied at the highest point that did not cause tipping.
- A 0.25" metal obstruction was placed around the glide in order to prevent the unit from moving while the loads were being applied.
- See diagram below for load directions and Photo 6 for setup.



6. Leg/Glide Assembly Strength Test (continued):



<u>Specimen</u>	<u>Load</u>	<u>Direction</u>	<u>Observations</u>
1	97	A1	No loss of serviceability.
	97	A2	No loss of serviceability.
	49	B1	No loss of serviceability.
	49	B2	No loss of serviceability.
	146	A1	No sudden and major change in structural integrity.
	146	A2	No sudden and major change in structural integrity.
	73	B1	No sudden and major change in structural integrity.
	73	B2	No sudden and major change in structural integrity.

Requirement:

Functional Load: No loss of serviceability shall occur as a result of the application of the functional loads. After the application of the functional loads, each extendible element or door shall meet the pull force requirements of Section 20.

Proof Load: Application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.

Equipment:	Force gage (118027), Tape measure (117768), Scale (117381), Digital Level (117596)
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7. Top Load Ease Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 7.1.

Notes:

- Temperature / humidity 73 - 76° F / 47 - 48 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- A 200 lb. load was applied through a 16" bag positioned 1" from the front edge centered side to side.
- The load was removed and reapplied without impact once per cycle.
- Test was performed for 10,000 cycles at 16 CPM.
- See Photo 7 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	0	Begin Test.
	10,000	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Upon completion of the cycling test, the extendible element(s) shall meet the pull force requirements of Section 20.*

Equipment:	Tape measure (117768), Stopwatch (126980), Scale (117381), Test machine (117792), Digital level (117596)
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8. Rebound Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 12.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- The drawer was loaded with the functional load as calculated on page 2.
- A spring force gage was positioned 2" from the center of the top drawer face.
- Drawer was pulled back against the gage to a force of 37 lbs. and then released with the at rest position recorded.
- See Photo 8 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Rebound Positions (in.)</u>	<u>Pull Force (lbs.)</u>
1	0		9.4
	1	0.0"	
	2	0.0"	
	3	0.0"	
	4	0.0"	
	5	0.0"	

Requirement: Before performing the Rebound Test, the extendible element shall meet the pull force requirements of Section 20. The rebound position of the extendible element shall not exceed 38 mm (1.5 in.) from its closed position after each of five closings.

Equipment:	Force gage (117390), Tape measure (117768), Spring force gage (117344), Digital scale (117381), Digital Level (117596)
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9. Extendible Element Retention Impact and Durability (Out Stop) Tests:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 13.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- Drawer was loaded with the functional load as calculated on page 2.
- Test consisted of 5 cycles with the drawer traveling from 1.5" from fully closed to full extension with the test weight restrained at 80% of full extension then 15,000 cycles with the drawer traveling from 2" from fully opened to full extension with the weight unrestrained.
- Test rate: 12 CPM.
- See Photos 9 and 10 for setups.



<u>Specimen</u>	<u>Cycles</u>	<u>Test Weight</u>	<u>Pull Force</u>	<u>Observations</u>
1	0	9.7 lbs.	8.9 lbs.	Test begun with weight restrained.
	5			No loss of serviceability.
	0			Test begun with weight unrestrained.
	15,000		9.4 lbs.	No loss of serviceability.

Requirement: After performing the Out Stop Test, the extendible element shall meet the pull force requirements of Section 20. There shall be no loss of serviceability.

Equipment:	Force gage (117390), Tape measure (117768), Test machine (117798), Scale (117381), Stopwatch (126980), Digital Level (117596)
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10. Force Test for Extendible Element Locks:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 14.2.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- Each drawer was tested unloaded, then loaded with functional loads as calculated on page 2.
- A 50 lb. outward force was applied perpendicular to the drawer front and then 30-degrees up from perpendicular.
- See Photo 11 for setup.



10. Force Test for Extendible Element Locks:

<u>Specimen</u>	<u>Drawer</u>	<u>Load</u>	<u>Direction</u>	<u>Force</u>	<u>Observations</u>
1	1	0	Out	50 lbs.	Drawer remained closed.
		18 lbs.	Out	50 lbs.	Drawer remained closed.
		0	30° up	50 lbs.	Drawer remained closed.
		18 lbs.	30° up	50 lbs.	Drawer remained closed.
	2	0	Out	50 lbs.	Drawer remained closed.
		20 lbs.	Out	50 lbs.	Drawer remained closed.
		0	30° up	50 lbs.	Drawer remained closed.
		20 lbs.	30° up	50 lbs.	Drawer remained closed.
	3	0	Out	50 lbs.	Drawer remained closed.
		37 lbs.	Out	50 lbs.	Drawer remained closed.
		0	30° up	50 lbs.	Drawer remained closed.
		37 lbs.	30° up	50 lbs.	Drawer remained closed.

Requirement: *The extendible elements shall remain in the normal locked position during application of the forces. There shall be loss of serviceability of the locking mechanism.*

Equipment:	Force gage (117390), Tape measure (117768), Scale (117381), Digital Level (117596)
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11. Locking Mechanism Cycle Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 14.4.

Notes

- Temperature / humidity 73° F / 51 - 53 RH%.
- The locking mechanism was cycled from the locked position to the unlocked position and back once per cycle.
- Test rate: 15 CPM.
- See Photo 12 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	0	Test begun.
	5,000	No loss of serviceability.

Requirement: *There shall be loss of serviceability of the locking mechanism.*

Equipment:	Test machine (117760), Stopwatch (126980)
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12. Cycle Test for Extendible Elements Deeper Than Wide That Do Not Swivel:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 15.2.

Notes:

- Temperature / humidity 72 - 74° F / 44 - 54 RH%.
- The drawer was loaded with the functional load as calculated on page 2.
- The drawer was tested at the center of the pull area for 50,000 cycles.
- Drawer was cycled from fully closed to fully open and back once per cycle.
- Test rate: 8 CPM.
- See Photo 13 for setup.



<u>Specimen</u>	<u>Location</u>	<u>Cycles</u>	<u>Observations</u>
1	Center	0	Test begun. Pre-test pull force = 10.6 lbs.
		50,000	No loss of serviceability. Post-test pull force = 10.8 lbs.

Requirement: *There shall be loss of serviceability. Before and after the cycle test, the extendible element(s) shall meet the pull force requirements of Section 20. After the cycle test, the extendible elements, if applicable shall meet the interlock test requirements of Section 16. If the unit is equipped with a stabilizing device, it may be necessary to reevaluate the stability of the unit per Section 9.4 to determine if the unit performs adequately.*

Equipment:	Test machine (117777), Force gage (117390), Tape measure (117768), Scale (117381), Stopwatch (126980), Digital level (117596)
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13. Pull Force Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 20.

Notes:

- Temperature / humidity 73° F / 46 RH%
- All components were loaded with the functional load as calculated on page 2.
- Force measured to pull each drawer from fully closed to fully open.
- See Photo 14 for setup.



<u>Specimen</u>	<u>Component</u>	<u>Pull Force (lbs.)</u>
1	Drawer 1	9.7
	Drawer 2	9.4
	Drawer 3	10.7

Requirement: *The applied force shall not exceed 50 N (11.2 lbf).*

Equipment:	Tape measure (117768), Force gage (117390), Scale (117381), Digital level (117596)
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Written by: Ron Day – Project Coordinator II
Reviewed by: Dan Kolean – Lab Manager – Holland, MI
Approved by: Dan Kolean – Lab Manager – Holland, MI

Version 1.0

Requester:	Xybix Systems Inc. 8207 Southpark Cir Littleton, CO 80120
Contact Name:	Troy Parson
Dates Tested:	03/01/16 to 03/16/16
Date Submitted:	03/17/16
Technician:	Ron Day
UL Order / Project Number:	1101135979 / 4787348470

Scope: To test the CPU Cabinet with Flip Top Hinge, manufactured by Xybix Systems Inc., by subjecting it to the following tests:

Requested Tests:

<u>Test Name</u>	<u>Requirement</u>
Concentrated Functional Load Test	ANSI/BIFMA X5.9-2012, Section 4.2
Distributed Functional Load Test	ANSI/BIFMA X5.9-2012, Section 4.3
Concentrated Proof Load Test	ANSI/BIFMA X5.9-2012, Section 4.4
Distributed Proof Load Test	ANSI/BIFMA X5.9-2012, Section 4.5
Leg/Glide Assembly Strength Test	ANSI/BIFMA X5.9-2012, Section 5
Racking Resistance Test	ANSI/BIFMA X5.9-2012, Section 6
Top Load Ease Test - Cyclic	ANSI/BIFMA X5.9-2012, Section 7.1
Storage Unit Drop Test	ANSI/BIFMA X5.9-2012, Section 10
Force Test for Door Locks	ANSI/BIFMA X5.9-2012, Section 14.3
Locking Mechanism Cycle Test	ANSI/BIFMA X5.9-2012, Section 14.4
Strength Test for Vertically Hinged, Bi-Fold Doors and Vertically Receding Doors	ANSI/BIFMA X5.9-2012, Section 17.2
Wear and Fatigue Test for Hinged, Horizontally Sliding, and Tambour Doors	ANSI/BIFMA X5.9-2012, Section 17.6
Pull Force Test	ANSI/BIFMA X5.9-2012, Section 20

Product Description:

<u>Specimen</u>	<u>UL ID</u>	<u>Description</u>	<u>Supplier</u>
1	170977	CPU Cabinet w Flip Top Hinge – P/N 15492-FT	Xybix Systems Inc.

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Summary:

<u>Test Name</u>	<u>Results</u>
Concentrated Functional Load Test	Passed
Distributed Functional Load Test	Passed
Concentrated Proof Load Test	Passed
Distributed Proof Load Test	Passed
Leg/Glide Assembly Strength Test	Passed
Racking Resistance Test	Passed
Top Load Ease Test - Cyclic	Passed
Storage Unit Drop Test	Passed
Force Test for Door Locks	Passed
Locking Mechanism Cycle Test	Passed
Strength Test for Vertically Hinged, Bi-Fold Doors and Vertically Receding Doors	Passed
Wear and Fatigue Test for Hinged, Horizontally Sliding, and Tambour Doors	Passed
Pull Force Test	Passed

Load Calculations:

<u>Specimen</u>	<u>Component</u>	<u>Calculation</u>	<u>Load</u>
1	Functional		
	Unit Top	$(48"w \times 35.625"d) \times 0.2$	342 lbs.
	Shelf 1	$(46"w \times 8"d \times 2.75"h) \times 0.017$	17 lbs.
	Unit Bottom	$(46"w \times 20.75"d \times 18"h) \times 0.017$	292 lbs.
	Proof		
	Unit Top	$(48"w \times 35.625"d) \times 0.3$	513 lbs.
	Shelf 1	$(46"w \times 8"d \times 2.75"h) \times 0.026$	26 lbs.
	Unit Bottom	$(46"w \times 20.75"d \times 18"h) \times 0.026$	447 lbs.

Test Results:

1. Concentrated Functional Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.2.

Notes:

- Temperature / humidity 73° F / 52 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- A 200 lb. load was applied through a 12" disc.
- The load was applied for 60 minutes.
- See Photo 1 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	200 lbs.	60 min	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Each of the extendible elements shall meet the pull force requirements of Section 20.*

Equipment:	Force gage (117390), Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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2. Distributed Functional Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.3.

Notes:

- Temperature / humidity 73° F / 53 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- The load was applied for 60 minutes.
- See Photo 2 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	342 lbs.	60 min	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Each of the extendible elements shall meet the pull force requirements of Section 20.*

Equipment:	Force gage (117390), Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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3. Concentrated Proof Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.4.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- All components were loaded with the proof loads as calculated on page 2.
- A 300 lbs. load was applied through a 12" disc.
- See Photo 3 for setup.



<u>Specimen</u>	<u>Proof Load</u>	<u>Time</u>	<u>Observations</u>
1	300 lbs.	15 min.	No sudden and major change in structural integrity.

Requirement: *The application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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4. Distributed Proof Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.5.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- All components were loaded with the proof loads as calculated on page 2.
- The load was applied for 15 minutes.
- See Photo 4 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	513 lbs.	15 min.	No sudden and major change in structural integrity.

Requirement: *The application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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5. Leg/Glide Assembly Strength Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 5.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- Unit weight: 177 lbs.
- Based on the unit weight the maximum loads were used and were as follows:

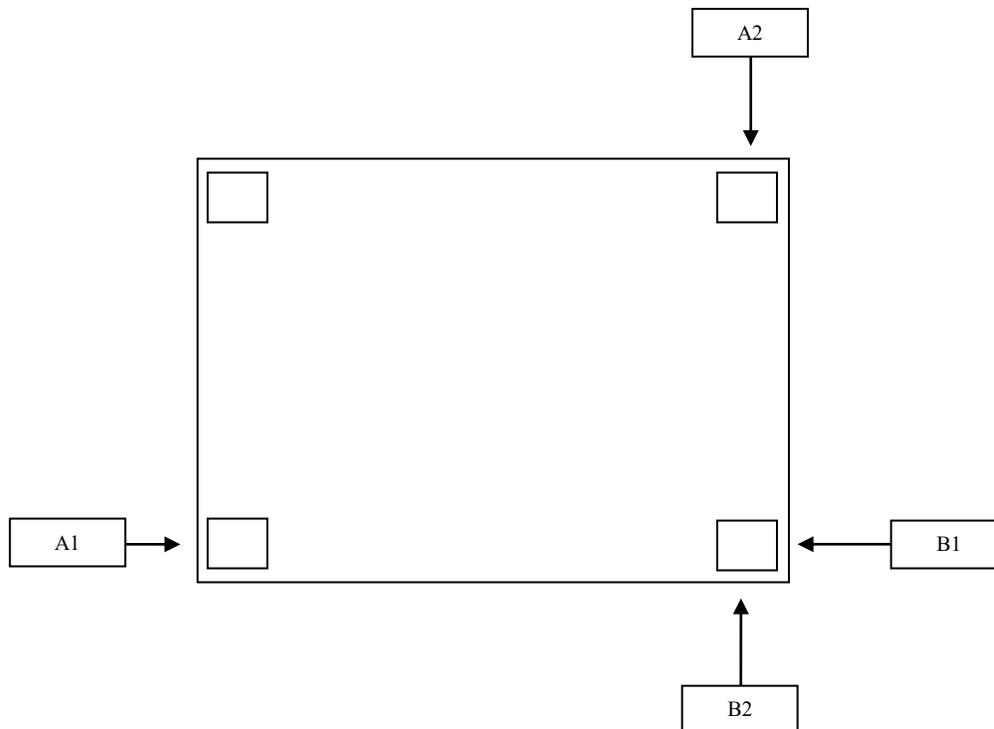
Functional A = 100 lbs.

Functional B = 50 lbs.

Proof A = 150 lbs.

Proof B = 75 lbs.

- Loads were applied at the highest point that did not cause tipping.
- A 0.25" metal obstruction was placed around the glide in order to prevent the unit from moving while the loads were being applied.
- See diagram below for load directions and Photo 5 for setup.



5. Leg/Glide Assembly Strength Test (continued):



<u>Specimen</u>	<u>Load</u>	<u>Direction</u>	<u>Observations</u>
1	100	A1	No loss of serviceability.
	100	A2	No loss of serviceability.
	50	B1	No loss of serviceability.
	50	B2	No loss of serviceability.
	150	A1	No sudden and major change in structural integrity.
	150	A2	No sudden and major change in structural integrity.
	75	B1	No sudden and major change in structural integrity.
	75	B2	No sudden and major change in structural integrity.

Requirement:

Functional Load: No loss of serviceability shall occur as a result of the application of the functional loads. After the application of the functional loads, each extendible element or door shall meet the pull force requirements of Section 20.

Proof Load: Application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.

Equipment:	Force gage (118027), Tape measure (117768), Scale (117381), Digital Level (117596)
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6. Racking Resistance Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 6.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- Each corner of the unit was supported on a 6" x 6"x 1" steel block.
- The unit components were loaded with the functional load as calculated on page 2.
- Two 50 lb. loads were applied to the opposite corners of the unit top through 9"x 9" wooden squares.
- The steel support blocks were removed under each of the loaded corners for 60 minutes.
- See Photo 6 for setup.



<u>Specimen</u>	<u>Time</u>	<u>Observations</u>
1	60 min.	No loss of serviceability.

Requirement: *The storage unit shall have no loss of serviceability. All extendible elements shall be tested to and meet the pull force test as defined in Section 20.*

Equipment:	Stopwatch (126980), Tape measure (117768), Digital scale (117381)
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7. Top Load Ease Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 7.1.

Notes:

- Temperature / humidity 73 - 74° F / 51 - 53 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- A 200 lb. load was applied through a 16" bag positioned 1" from the front edge centered side to side.
- The load was removed and reapplied without impact once per cycle.
- Test was performed for 10,000 cycles at 15 CPM.
- See Photo 7 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	0	Begin Test.
	10,000	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Upon completion of the cycling test, the extendible element(s) shall meet the pull force requirements of Section 20.*

Equipment:	Tape measure (117768), Stopwatch (126980), Scale (117381), Test machine (118040), Digital level (117596)
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8. Storage Unit Drop Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 10.

Notes:

- Temperature / humidity 72° F / 51 RH%.
- Unit weight: 177 lbs.
- The end of the unit was raised to the appropriate height and allowed to free-fall to the floor.
- Test was then repeated on the other end of the unit.
- See Photo 8 for setup.



<u>Specimen</u>	<u>End</u>	<u>Height (in.)</u>	<u>Observations</u>
1	Left	4.7	No loss of serviceability.
	Right	4.7	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. All extendible elements shall meet the pull force test requirements in Section 20.*

Equipment:	Digital scale (117381), Tape measure (117768), Digital level (117596)
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9. Force Test for Door Locks:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 14.3.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- The door was locked and a 50 lb. force was applied to the center of the pull area.
- The loads were removed, and test was performed again.
- See Photo 9 for setup.



<u>Specimen</u>	<u>Door</u>	<u>Load</u>	<u>Force (lbs.)</u>	<u>Observations</u>
1	Left	Loaded	50 lbs.	Door remained in the locked position. No loss of serviceability.
		Unloaded	50 lbs.	Door remained in the locked position. No loss of serviceability.
1	Right	Loaded	50 lbs.	Door remained in the locked position. No loss of serviceability.
		Unloaded	50 lbs.	Door remained in the locked position. No loss of serviceability.

Requirement: *The doors shall remain in the normal locked position during application of the forces. There shall be no loss of serviceability of the locking mechanism.*

Equipment:	Tape measure (117768), Force gage (117390), Digital level (117596), Digital scale (117381)
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10. Locking Mechanism Cycle Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 14.4.

Notes

- Temperature / humidity 73 - 74° F / 49 - 54 RH%.
- The locking mechanism was cycled from the locked position to the unlocked position and back once per cycle.
- Test rate: 15 CPM.
- See Photo 10 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	0	Test begun.
	5,000	No loss of serviceability.

Requirement: *There shall be loss of serviceability of the locking mechanism.*

Equipment:	Test machine (117760), Stopwatch (26980)
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11. Strength Test for Vertically Hinged Doors, Bi-fold Doors & Vertically Receding Doors:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 17.2.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- Door load: 44 lbs.
- A 44 lb. load was suspended from the door with the weight equally distributed on both sides of the door and so that its center of gravity acted 4 inches in from the edge of the door opposite the hinge.
- The door was then cycled 10 times from a position 45 degrees from fully closed to a position 10 degrees from fully open (but not more than 135 degrees) and then returned.
- See Photo11 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	10	No loss of serviceability.

Requirement: *There shall be no loss of serviceability to the unit.*

Equipment:	Digital scale (117381), Tape measure (117768), Blade protractor (117377), Digital level (117596)
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12. Wear and Fatigue Tests for Hinged, Horizontally Sliding and Tambour Doors:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 17.6.

Notes:

- Temperature / humidity 72 - 73° F / 44 - 53 RH%.
- The door was cycled from a position up to 10° from fully closed to a position 10° from fully open and returned, not to exceed a maximum swing angle of 90°.
- The door was tested for a total of 20,000 cycles.
- Test rate: 8 CPM.
- See Photo 12 for setup.



<u>Specimen</u>	<u>Location</u>	<u>Cycles</u>	<u>Observations</u>
1	Center	0	Begin test.
		20,000	No loss of serviceability.

Requirement: *There shall be no loss of serviceability to the unit or its components.*

Equipment:	Test machine (117796), Tape measure (117768), Stopwatch (126980), Digital protractor (117377), Digital level (117596)
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13. Pull Force Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 20.

Notes:

- Temperature / humidity 73° F / 51 RH%
- All components were loaded with the functional load as calculated on page 2.
- Force measured to pull each door from fully closed to fully open.
- See Photo 13 for setup.



<u>Specimen</u>	<u>Component</u>	<u>Pull Force (lbs.)</u>
1	Door 1	1.3
	Door 2	1.4

Requirement: *The applied force shall not exceed 50 N (11.2 lbf.).*

Equipment:	Tape measure (117768), Force gage (117390), Scale (117381), Digital level (117596)
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Written by: Ron Day – Project Coordinator II
Reviewed by: Dan Kolean – Lab Manager – Holland, MI
Approved by: Dan Kolean – Lab Manager – Holland, MI

Version 1.0

Requester:	Xybix Systems Inc. 8207 Southpark Cir Littleton, CO 80120
Contact Name:	Troy Parson
Dates Tested:	03/01/16 to 03/21/16
Date Submitted:	03/21/16
Technician:	Ron Day
UL Order / Project Number:	11168572 / 4787348473

Scope: To test the Ergo Access Tech Tower, manufactured by Xybix Systems Inc., by subjecting it to the following tests:

Requested Tests:

<u>Test Name</u>	<u>Requirement</u>
Distributed Functional Load Test	ANSI/BIFMA X5.9-2012, Section 4.3
Distributed Proof Load Test	ANSI/BIFMA X5.9-2012, Section 4.5
Leg/Glide Assembly Strength Test	ANSI/BIFMA X5.9-2012, Section 5
Racking Resistance Test	ANSI/BIFMA X5.9-2012, Section 6
Horizontal Force Stability for Tall Storage Units	ANSI/BIFMA X5.9-2012, Section 9.2
Vertical Force Stability Test for Storage Units	ANSI/BIFMA X5.9-2012, Section 9.6
Storage Unit Drop Test	ANSI/BIFMA X5.9-2012, Section 10
Force Test for Door Locks	ANSI/BIFMA X5.9-2012, Section 14.3
Locking Mechanism Cycle Test	ANSI/BIFMA X5.9-2012, Section 14.4
Strength Test for Vertically Hinged, Bi-Fold Doors and Vertically Receding Doors	ANSI/BIFMA X5.9-2012, Section 17.2
Wear and Fatigue Test for Hinged, Horizontally Sliding, and Tambour Doors	ANSI/BIFMA X5.9-2012, Section 17.6
Pull Force Test	ANSI/BIFMA X5.9-2012, Section 20

Product Description:

<u>Specimen</u>	<u>UL ID</u>	<u>Description</u>	<u>Supplier</u>
1	170967	Ergo Access Tech Tower P/N # 15520	Xybix Systems Inc.

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Summary:

<u>Test Name</u>	<u>Results</u>
Distributed Functional Load Test	Passed
Distributed Proof Load Test	Passed
Leg/Glide Assembly Strength Test	Passed
Racking Resistance Test	Passed
Horizontal Force Stability for Tall Storage Units	Passed
Vertical Force Stability Test for Storage Units	Passed
Storage Unit Drop Test	Passed
Force Test for Door Locks	Passed
Locking Mechanism Cycle Test	Passed
Strength Test for Vertically Hinged, Bi-Fold Doors and Vertically Receding Doors	Passed
Wear and Fatigue Test for Hinged, Horizontally Sliding, and Tambour Doors	Passed
Pull Force Test	Passed

Load Calculations:

<u>Specimen</u>	<u>Component</u>	<u>Calculation</u>	<u>Load</u>
1	Functional		
	Unit Top	$(17.625"w \times 36"d) \times 0.2$	127 lbs.
	Shelf 1	$(16"w \times 19.875"d \times 12"h) \times 0.017$	65 lbs.
	Unit Bottom	$(15.875"w \times 23.625"d \times 18"h) \times 0.017$	115 lbs.
	Proof		
	Unit Top	$(17.625"w \times 36"d) \times 0.3$	190 lbs.
	Shelf 1	$(16"w \times 19.875"d \times 12"h) \times 0.026$	99 lbs.
	Unit Bottom	$(15.875"w \times 23.625"d \times 18"h) \times 0.026$	176 lbs.

Test Results:

1. Distributed Functional Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.3.

Notes:

- Temperature / humidity 73° F / 53 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- The load was applied for 60 minutes.
- See Photo 1 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	127 lbs.	60 min	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Each of the extendible elements shall meet the pull force requirements of Section 20.*

Equipment:	Force gage (117390), Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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2. Distributed Proof Load Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 4.5.

Notes:

- Temperature / humidity 73° F / 52 RH%.
- All components were loaded with the proof loads as calculated on page 2.
- The load was applied for 15 minutes.
- See Photo 2 for setup.



<u>Specimen</u>	<u>Top Load</u>	<u>Time</u>	<u>Observations</u>
1	190 lbs.	15 min.	No sudden and major change in structural integrity.

Requirement: *The application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.*

Equipment:	Tape measure (117768), Stopwatch (126980), Scale (117381), Digital level (117596)
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3. Leg/Glide Assembly Strength Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 5.

Notes:

- Temperature / humidity 72° F / 51 RH%.
- Unit weight: 144 lbs.
- Based on the unit weight the maximum loads were used and were as follows:

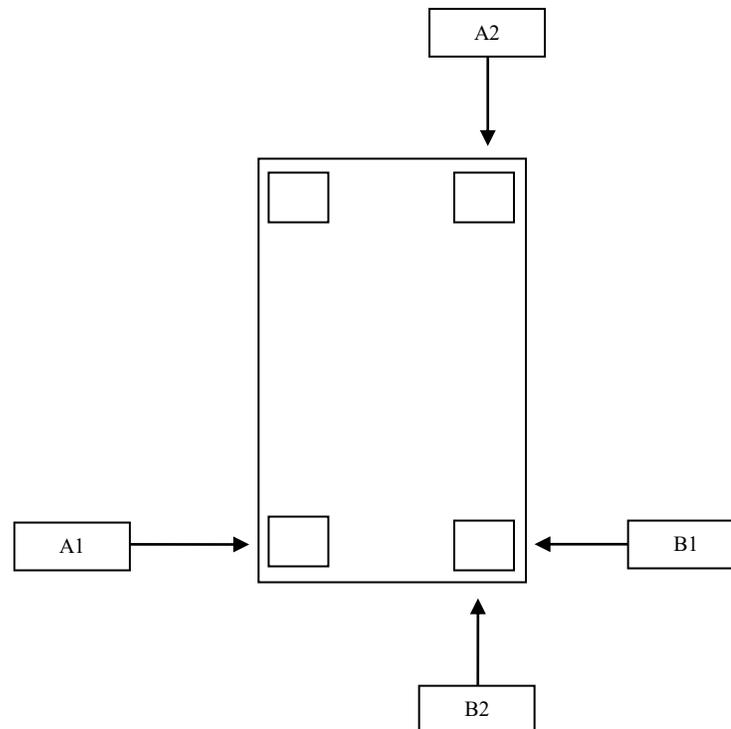
Functional A = 100 lbs.

Functional B = 50 lbs.

Proof A = 150 lbs.

Proof B = 75 lbs.

- Loads were applied at the highest point that did not cause tipping.
- A 0.25" metal obstruction was placed around the glide in order to prevent the unit from moving while the loads were being applied.
- See diagram below for load directions and Photo 3 for setup.



3. Leg/Glide Assembly Strength Test (continued):



<u>Specimen</u>	<u>Load</u>	<u>Direction</u>	<u>Observations</u>
1	100	A1	No loss of serviceability.
	100	A2	No loss of serviceability.
	50	B1	No loss of serviceability.
	50	B2	No loss of serviceability.
	150	A1	No sudden and major change in structural integrity.
	150	A2	No sudden and major change in structural integrity.
	75	B1	No sudden and major change in structural integrity.
	75	B2	No sudden and major change in structural integrity.

Requirement:

Functional Load: No loss of serviceability shall occur as a result of the application of the functional loads. After the application of the functional loads, each extendible element or door shall meet the pull force requirements of Section 20.

Proof Load: Application of the proof loads shall cause no sudden and major change in the structural integrity of the storage unit or its components. Loss of serviceability is acceptable.

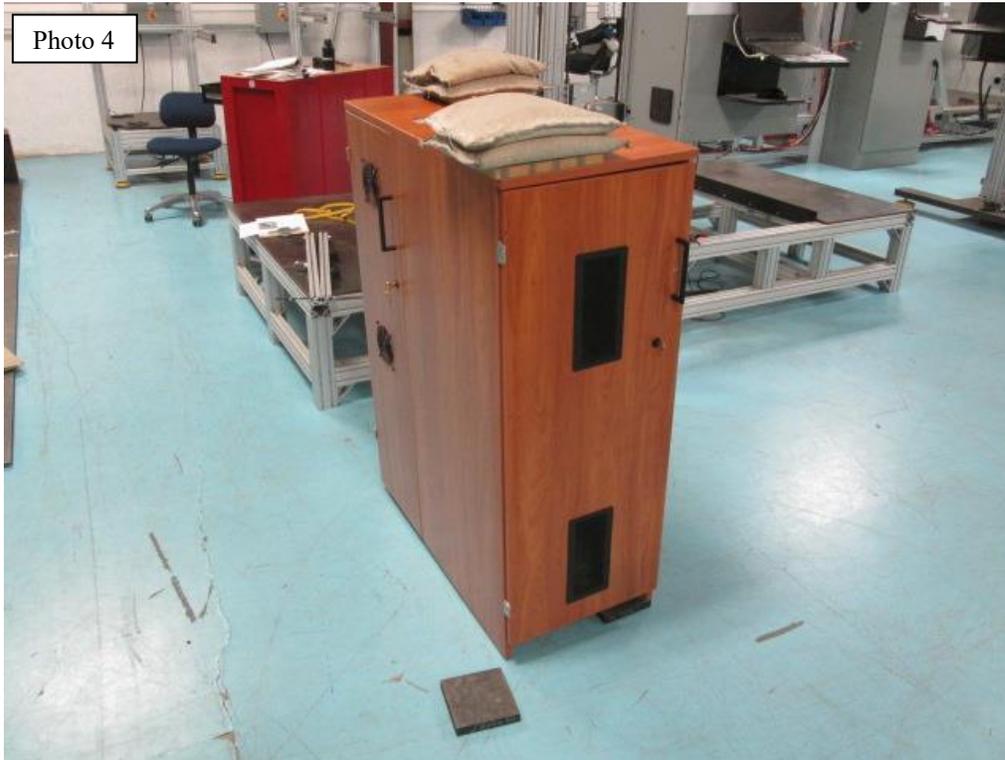
Equipment:	Force gage (118027), Tape measure (117768), Scale (117381), Digital Level (117596)
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4. Racking Resistance Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 6.

Notes:

- Temperature / humidity 73° F / 50 RH%.
- Each corner of the unit was supported on a 6" x 6"x 1" steel block.
- The unit components were loaded with the functional load as calculated on page 2.
- Two 50 lb. loads were applied to the opposite corners of the unit top through 9"x 9" wooden squares.
- The steel support blocks were removed under each of the loaded corners for 60 minutes.
- See Photo 4 for setup.



<u>Specimen</u>	<u>Time</u>	<u>Observations</u>
1	60 min.	No loss of serviceability.

Requirement: *The storage unit shall have no loss of serviceability. All extendible elements shall be tested to and meet the pull force test as defined in Section 20.*

Equipment:	Stopwatch (126980), Tape measure (117768), Digital scale (117381)
------------	---

5. Horizontal Force Stability Test for Tall Storage Units:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 9.2.

Notes:

- Temperature / humidity 73° F / 51 RH%
- A load of 2 lbs. per inch of width was placed on the unit bottom (15.875" x 2 = 32 lbs.).
- A force was applied through an 8" diameter disc centered 54" up from the floor at the following locations:
 - A) Left side of the front of the unit
 - B) Right side of the front of the unit
 - C) Left side of the rear of the unit
 - D) Right side of the rear of the unit
 - E) Left side of the unit
 - F) Right side of the unit
- The force was applied until 40 lbs. or 10° of tip was achieved.
- See Photo 5 for setup.



5. Horizontal Force Stability Test for Tall Storage Units (continued):

<u>Specimen</u>	<u>Location</u>	<u>Force (lbs.)</u>	<u>Angle (°)</u>	<u>Observations</u>
1	A	40.0	N/A	Unit did not tip over.
	B	40.0	N/A	Unit did not tip over.
	C	40.0	N/A	Unit did not tip over.
	D	40.0	N/A	Unit did not tip over.
	E	N/A	10°	Unit did not tip over.
	F	N/A	10°	Unit did not tip over.

Requirement: *The unit shall not tip over, there shall be no loss of serviceability. Components shall not become totally separated from the storage unit. If the doors interfere with the unit tipping, the unit must meet the 10-degree tilt requirement with the doors in their closed position (during the C and D force applications).*

Equipment:	Tape measure (117768), Scale (117381), Force gage (117390), Digital level (117596)
------------	--

6. Vertical Force Stability Test for Storage Units:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 9.6.

Notes:

- Temperature / humidity 73° F / 51 RH%
- A load of 2 lbs. per inch of width was placed on the unit bottom (15.875" x 2 = 32 lbs.).
- A 50 lb. load was suspended on a vertical line 5 inches in front of the outermost edge of the unit top. The fixture used to apply the load was neutrally balanced so that it did not affect the stability of the unit.
- See Photo 6 for setup.



<u>Specimen</u>	<u>Load</u>	<u>Observations</u>
1	50 lbs.	Unit did not tip over.

Requirement: *The unit shall not tip over.*

Equipment:	Tape measure (117768), Scale (117381), Digital level (117596)
------------	---

7. Storage Unit Drop Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 10.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- Unit weight: 144 lbs.
- The end of the unit was raised to the appropriate height and allowed to free-fall to the floor.
- Test was then repeated on the other end of the unit.
- See Photo 7 for setup.



<u>Specimen</u>	<u>End</u>	<u>Height (in.)</u>	<u>Observations</u>
1	Left	4.7	No loss of serviceability.
	Right	4.7	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. All extendible elements shall meet the pull force test requirements in Section 20.*

Equipment:	Digital scale (117381), Tape measure (117768), Digital level (117596)
------------	---

8. Force Test for Door Locks:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 14.3.

Notes:

- Temperature / humidity 73° F / 51 RH%.
- All components were loaded with the functional loads as calculated on page 2.
- The door was locked and a 50 lb. force was applied to the center of the pull area.
- The loads were removed, and test was performed again.
- See Photo 8 for setup.



<u>Specimen</u>	<u>Door</u>	<u>Load</u>	<u>Force (lbs.)</u>	<u>Observations</u>
1	Front	Loaded	50 lbs.	Door remained in the locked position. No loss of serviceability.
		Unloaded	50 lbs.	Door remained in the locked position. No loss of serviceability.
1	Side	Loaded	50 lbs.	Door remained in the locked position. No loss of serviceability.
		Unloaded	50 lbs.	Door remained in the locked position. No loss of serviceability.

Requirement: *The doors shall remain in the normal locked position during application of the forces. There shall be no loss of serviceability of the locking mechanism.*

Equipment:	Tape measure (117768), Force gage (117390), Digital level (117596), Digital scale (117381)
------------	--

9. Locking Mechanism Cycle Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 14.4.

Notes

- Temperature / humidity 72 - 73° F / 44 - 50 RH%.
- The locking mechanism was cycled from the locked position to the unlocked position and back once per cycle.
- Test rate: 15 CPM.
- See Photo 9 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	0	Test begun.
	5,000	No loss of serviceability.

Requirement: *There shall be loss of serviceability of the locking mechanism.*

Equipment:	Test machine (117760), Stopwatch (126980)
------------	---

10. Strength Test for Vertically Hinged Doors, Bi-fold Doors & Vertically Receding Doors:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 17.2.

Notes:

- Temperature / humidity 73° F / 50 RH%.
- Door load: 44 lbs.
- A 44 lb. load was suspended from the door with the weight equally distributed on both sides of the door and so that its center of gravity acted 4 inches in from the edge of the door opposite the hinge.
- The door was then cycled 10 times from a position 45 degrees from fully closed to a position 10 degrees from fully open (but not more than 135 degrees) and then returned.
- See Photo10 for setup.



<u>Specimen</u>	<u>Cycles</u>	<u>Observations</u>
1	10	No loss of serviceability.

Requirement: *There shall be no loss of serviceability to the unit.*

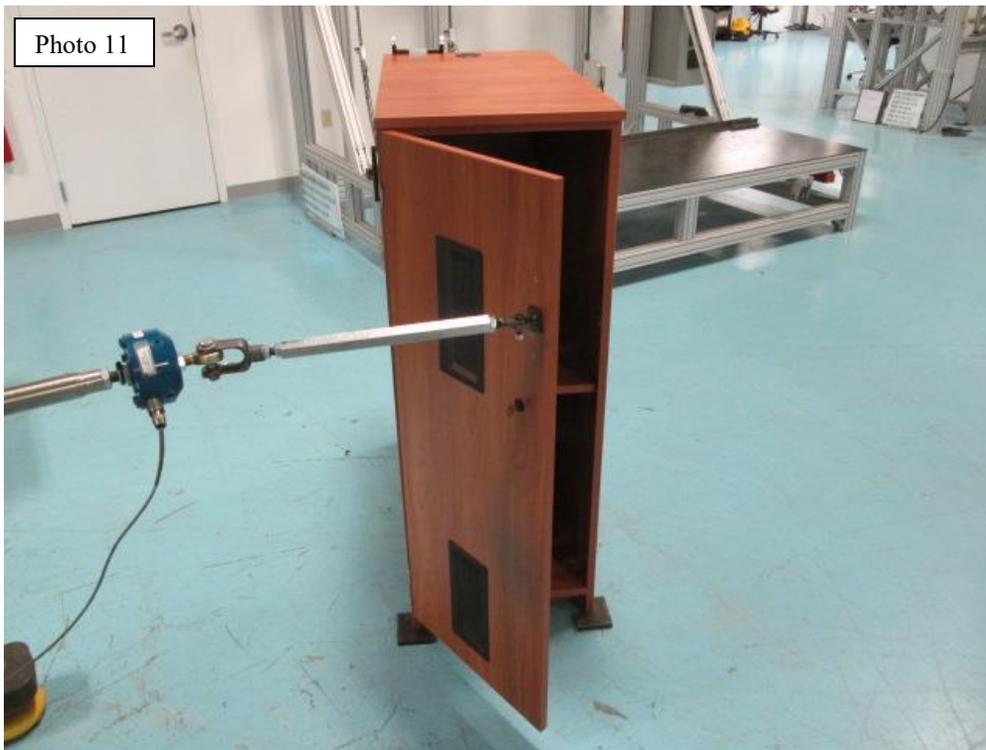
Equipment:	Digital scale (117381), Tape measure (117768), Blade protractor (117377), Digital level (117596)
------------	--

11. Wear and Fatigue Tests for Hinged, Horizontally Sliding and Tambour Doors:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 17.6.

Notes:

- Temperature / humidity 73 - 74° F / 49 - 54 RH%.
- The door was cycled from a position up to 10° from fully closed to a position 10° from fully open and returned, not to exceed a maximum swing angle of 90°.
- The door was tested for a total of 20,000 cycles.
- Test rate: 8 CPM.
- See Photo 11 for setup.



<u>Specimen</u>	<u>Location</u>	<u>Cycles</u>	<u>Observations</u>
1	Center	0	Begin test.
		20,000	No loss of serviceability.

Requirement: *There shall be no loss of serviceability to the unit or its components.*

Equipment:	Test machine (117796), Tape measure (117768), Stopwatch (126980), Digital protractor (117377), Digital level (117596)
------------	---

12. Pull Force Test:

Testing was performed per ANSI/BIFMA X5.9-2012, Section 20.

Notes:

- Temperature / humidity 73° F / 51 RH%
- All components were loaded with the functional load as calculated on page 2.
- Force measured to pull each door from fully closed to fully open.
- See Photo 12 for setup.



<u>Specimen</u>	<u>Component</u>	<u>Pull Force (lbs.)</u>
1	Door 1 (Front)	1.2
	Door 2 (Side)	1.8

Requirement: *The applied force shall not exceed 50 N (11.2 lbf.).*

Equipment:	Tape measure (117768), Force gage (117390), Scale (117381), Digital level (117596)
------------	--

Written by: Ron Day – Project Coordinator II
Reviewed by: Dan Kolean – Lab Manager – Holland, MI
Approved by: Dan Kolean – Lab Manager – Holland, MI

Version 1.0

Test Request Number: AFT-02776

Page 1 of 7

Requester:	XYBIX Systems, Inc. 8207 SouthPark Circle Littleton, Co 80120
Contact Name / Number:	Toby Alonge (800) 788-2810
Dates Tested:	03/24/15
Date Submitted:	03/24/15
Technician:	Dan Baron
Customer Request I.D.	N/A

Scope: To evaluate a 4-Leg Adjustable Height Table manufactured by XYBIX Systems, Inc., by subjecting it to the following tests:

Requested Tests:

<u>Test Name</u>	<u>Requirement</u>
Stability Under Vertical Load Test	ANSI/BIFMA X5.5-2014, Section 4.3
Force Stability for Tall Desk/Table Products	ANSI/BIFMA X5.5-2014, Section 4.5
Distributed Functional Load Test	ANSI/BIFMA X5.5-2014, Section 5.3
Distributed Proof Load Test	ANSI/BIFMA X5.5-2014, Section 5.5

Product Description:

<u>Specimen</u>	<u>Description</u>	<u>Supplier</u>
1	4-Leg Adjustable Height Table	XYBIX Systems, Inc.

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Test Request Number: AFT-02776

Page 2 of 7

Summary:

<u>Test Name</u>	<u>Results</u>
Stability Under Vertical Load Test	Met Requirement
Force Stability for Tall Desk/Table Products	Met Requirement
Distributed Functional Load Test	Met Requirement
Distributed Proof Load Test	Met Requirement

Load Calculations

<u>Specimen</u>	<u>Surface</u>	<u>Type</u>	<u>Calculation</u>	<u>Load (lbs.)</u>
1	Top - 1	Distributed Functional	193" x 1.5	290 lbs.
	Top - 2	Distributed Functional	218" x 1.5	327 lbs.
			Total Functional	617 lbs.
	Top - 1	Distributed Proof	193" x 2.3	444 lbs.
	Top - 2	Distributed Proof	218" x 2.3	501 lbs.
			Total Proof	945 lbs.

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Test Request Number: AFT-02776

Page 3 of 7

Test Results:

1. Stability Under Vertical Load Test:

Testing was performed per ANSI/BIFMA X5.5-2014, Section 4.3.

Notes:

- Two 125 lb. loads were applied through 12" discs, with the center of each disc 12" from the side edge.
- The center of 12" discs were positioned 7" from the front edge at the least stable position.
- See Photo 1 for setup.



<u>Specimen</u>	<u>Load Location</u>	<u>Observations</u>
1	Center of each disc 12" from the side and 7" from the front edge.	Unit did not tip over.

Requirement: *The unit shall not tip over. If an extendible element(s) opens during the test and prevents the unit from tipping over due to contact with the test platform, the unit does not meet the acceptance criteria.*

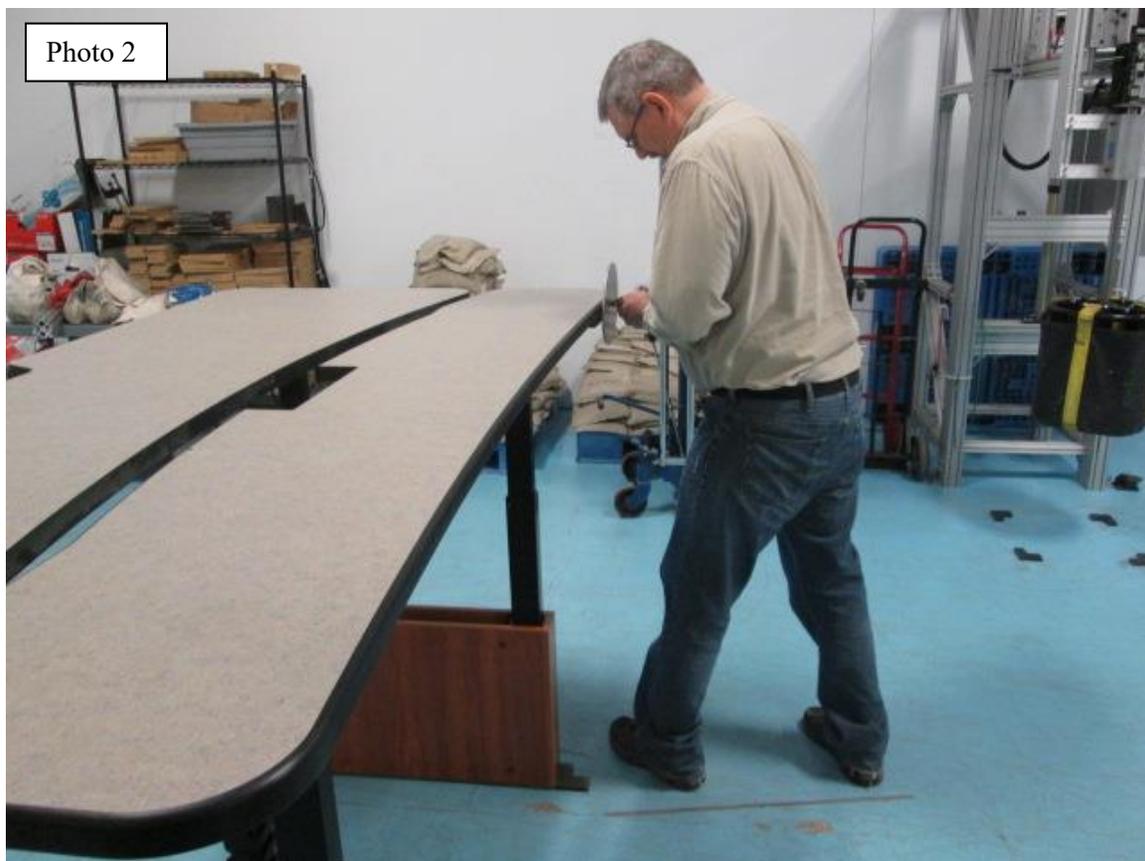
Equipment:	Tape measure (TD-099), Scale (TD-008)
------------	---------------------------------------

2. Force Stability Test for Tall Desk/Table Products:

Testing was performed per ANSI/BIFMA X5.5-2014, Section 4.6.

Notes:

- A force was applied to the side of the table top, at the following locations:
 - A) Front of the unit at its left side
 - B) Front of the unit at its right side
 - C) Back of the unit at its left side
 - D) Back of the unit at its right side
- The force was applied until 40 lbs. or 10° of tip was achieved.
- See Photo 2 for setup.



Test Request Number: AFT-02776

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2. Force Stability Test for Tall Desk/Table Products (continued):

<u>Specimen</u>	<u>Location</u>	<u>Force (lbf)</u>	<u>Angle (°)</u>	<u>Observations</u>
1	Front left	40	N/A	Unit did not tip over.
	Front right	40	N/A	Unit did not tip over.
	Rear left	40	N/A	Unit did not tip over.
	Rear right	40	N/A	Unit did not tip over.

Requirement: *The unit shall not tip over, and there shall be no loss of serviceability. Assembled desk/table products shall not disengage. If one or more extendible elements opens during the test and prevents the unit from tipping over due to contact with the test platform, the unit does not meet the acceptance criteria.*

Equipment:	Scale (TD-008), Force gage (TD-007), Digital protractor (TD-073), Tape measure (TD-099)
------------	---

Test Request Number: AFT-02776

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3. Distributed Functional Load Test:

Testing was performed per ANSI/BIFMA X5.5-2014, Section 5.3.

Notes:

- Temperature / humidity 75° F / 45 RH%.
- Table was set to the top of its height adjustment.
- See table on Page 2 for load calculations.
- Load applied for 60 minutes.
- See Photo 3 for setup.



<u>Specimen</u>	<u>Surface</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
1	Top - 1	290	60	No loss of serviceability.
	Top - 2	327	60	No loss of serviceability.

Requirement: *There shall be no loss of serviceability. Upon completion of the test, the extendible member(s) shall meet the pull force requirements of Section 19.*

Equipment:	Tape measure (TD-099), Stopwatch (TD-002), Digital level (TD-073)
------------	---

4. Distributed Proof Load Test:

Testing was performed per ANSI/BIFMA X5.5-2014, Section 5.5.

Notes:

- Temperature / humidity 76° F / 43 RH%.
- Table was set to the top of its height adjustment.
- See table on Page 2 for load calculations.
- Load applied for 15 minutes.
- See Photo 4 for setup.



<u>Specimen</u>	<u>Surface</u>	<u>Load (lbs.)</u>	<u>Time (min.)</u>	<u>Observations</u>
1	Top - 1	444	15	No sudden and major change in structural integrity.
	Top - 2	501	15	No sudden and major change in structural integrity.

Requirement: *There shall be no sudden and major change in structural integrity of the product. Loss of serviceability is acceptable.*

Equipment:	Tape measure (TD-099), Stopwatch (TD-002), Digital level (TD-073)
------------	---

Reviewed by: Doug Woodard
 Approved by: Doug Woodard

Version 1.0

WESTERN ELECTRO - ACOUSTIC LABORATORY TRANSMITTAL

WS #2.

25132 Rye Canyon Loop, Santa Clarita, California 91355
Telephone: (661) 775-3741 Fax: (661) 775-3742

To: **Xybix Systems, Inc.**
8207 Southpark Circle
Littleton, CO 80120

Date: November 3, 2010

WEAL Project Number: 9300-413

We are sending you:

Attached

under separate cover via _____ the following items:

- Prints Shop drawings Plans Specifications
 Samples Test Reports Sketches _____

Copies	Date	Number	Description
1	6/25/10	AB10-163	Laboratory Sound Absorption Test Report

These are transmitted as checked below:

- For approval As requested Approved as submitted Returned for corrections
 For your use Approved as noted For review & comment _____

PRINTS RETURNED AFTER LOAN TO US

REMARKS:

COPY TO:

162

RECEIVED:

Gary Munge

If enclosures are not as noted, kindly notify us at once.

Number: 2150



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25132 Rye Canyon Loop Santa Clarita, California 91355 Tel: (661) 775-3741 Fax: (661) 775-3742 www.weal.com

SOUND ABSORPTION TEST REPORT NO. AB10-163

Xybix Tackable Acoustical Office Screen

(Type "K" mounting)

CLIENT: Xybix Systems, Inc.
8207 Southpark Circle
Littleton, CO 80120

Page 1 of 3
6 July 2010

TEST DATE: 25 June 2010

INTRODUCTION

The methods and procedures used for this test conform to the provisions and requirements of ASTM Procedure C 423-08, Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method. Copies of the test standard are available at www.astm.org. The test chamber volume is 275 cubic meters. Western Electro-Acoustic Laboratory is accredited by the United States Department of Commerce, National Institute of Standards and Technology under the National Voluntary Accreditation Program (NVLAP) Lab Code 100256-0 for this test procedure. This test report relates only to the item(s) tested. This report must not be used to claim product certification, approval, or endorsement by WEAL, NVLAP, NIST or any agency of the federal government.

DESCRIPTION OF TEST SPECIMEN

The test specimen consisted a Xybix tackable acoustical office screen designated Genesis Korea and Gusa. The test specimen consisted of a 914 mm (36 inch) module and a 610 mm (24 inch) module bolted together side by side. Each module was nominally 1.65 m (65 inches) tall and had three removable panel tiles on each side which hung on the metal frame. The bottom panel tiles were nominally 610 mm (24 inches) high and all other panel tiles were 457 mm (18 inches) high. The panel tiles consisted of a perforated metal face in front of 25.4 mm (1 inch) thick 48 kg/m^3 (3 lb./ft^3) fiberglass. Around the perimeter of each tile the fiberglass was trimmed to 12.7 mm (1/2 inch) thickness so that it would fit into the system. The perforations were 5 mm (3/16 inch) diameter holes on 8 mm (5/16 inch) staggered centers and extended to the edges of the tiles. Each tile was covered with Guilford of Maine, Model FR-701 fabric. The thickness of the specimen was 79 mm (3-1/8 inches). The test specimen was sitting on four adjustable feet which raised it approximately 22 mm (7/8 inch) above the test chamber floor. The faces of the panel were not parallel to any wall surface. The overall dimensions of the specimen were 1.52 m (60 inches) wide by 1.64 m (64-1/2 inches) high by 79 mm (3-1/8 inches) thick. The overall weight of the specimen was 54.9 kg (121 lbs.).

Test results are presented on the following page.

Respectfully submitted,
Western Electro-Acoustic Laboratory

[Handwritten signature of Gary E. Mange]

Gary E. Mange
Laboratory Director



SOUND ABSORPTION TEST REPORT NO. AB10-163

TEST DATE: 25 June 2010

Page 2 of 3
6 July 2010

Mounting per ASTM E 795-00: Type K

Area tested: 53.75 ft² (4.99 m²)

Temperature: 75.2° F

Humidity: 47.3%

Pressure: 28.55 in. of Hg

TEST RESULTS**1/3 Octave Band Absorption Data**

Frequency in Hz	Absorption in Sabins	Absorption Coefficients
100	30.8	0.57
125	24.0	0.45
160	22.0	0.41
200	26.1	0.49
250	29.5	0.55
315	36.0	0.67
400	39.5	0.73
500	38.8	0.72
630	43.9	0.82
800	46.7	0.87
1000	48.0	0.89
1250	48.4	0.90
1600	49.0	0.91
2000	49.7	0.92
2500	48.5	0.90
3150	48.9	0.91
4000	49.0	0.91
5000	47.5	0.88

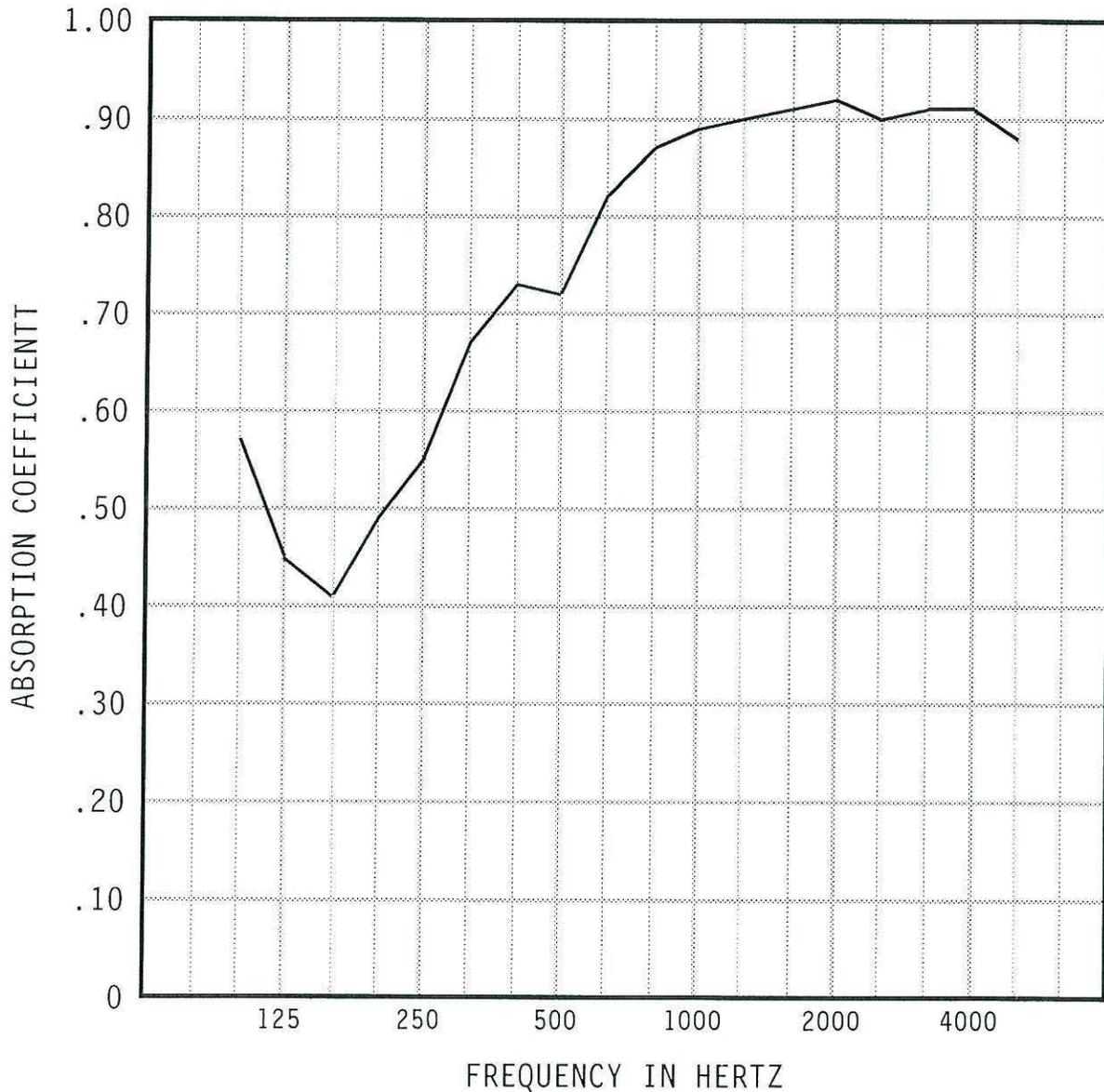
NRC 0.75
SAA 0.78

SOUND ABSORPTION TEST REPORT No. AB10-163

WS #2.

Test Date: 25 June 2010

Page 3 of 3
6 July 2010



Specimen Area: 53.75 sq.ft.
Temperature: 75.2 deg. F
Relative Humidity: 47.3 %

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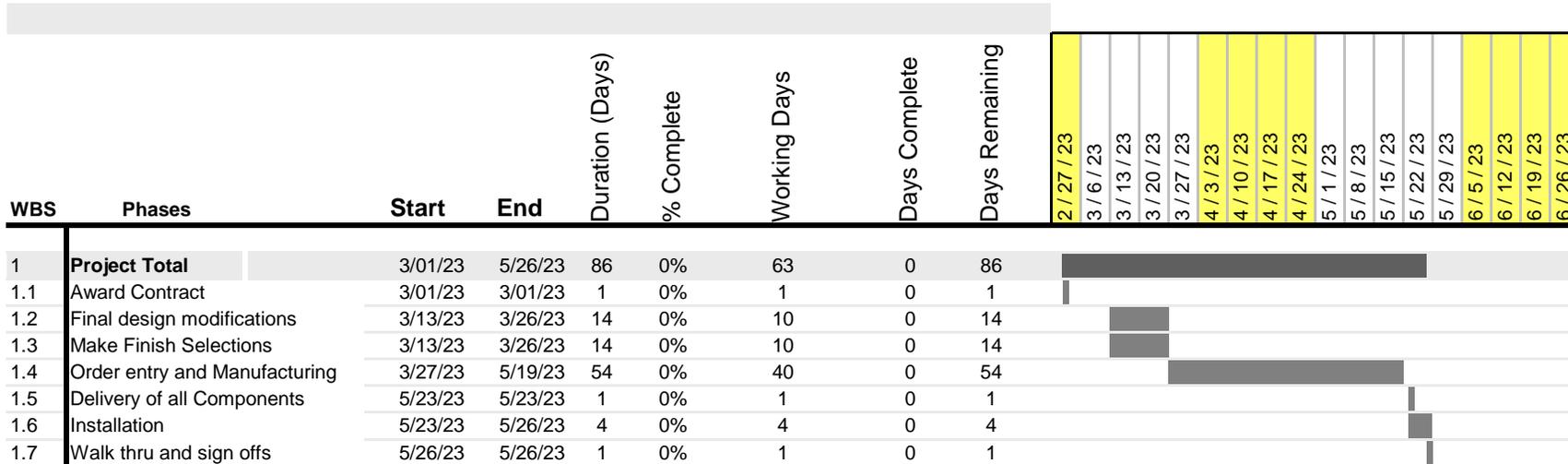
Manufacturing and Installation Gantt Chart

XYBIX Systems, Inc.

8207 SouthPark Circle
 Littleton, CO 80120
 800-788-2810

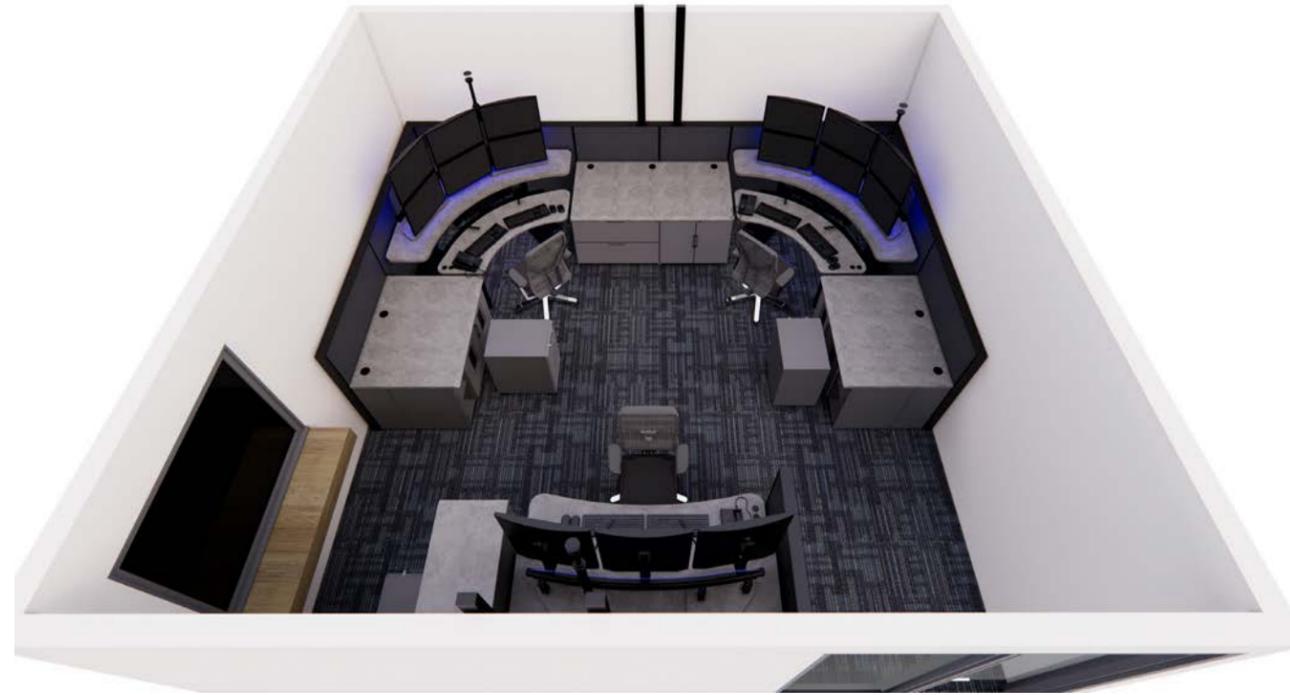
Project Name: Emergency Communications Dispatch Console Furniture

Company Name: Moberly Police Department
 Street Address: 300 N Clark Street
 City, State, ZIP: Moberly MO 65270
 Bid #:
 Start Date: 3/01/23 (Wed)



Sales : Megan Clayborn
 Email : MikeG@xybix.com
 Designer : Meghan Dinardi
 Email : MeghanD@xybix.com

Moberly Police Department
 300 N. Clark Street
 Moberly, Missouri 65270



① ROOM 1
 12" = 1'-0"



② COMBINED ROOMS
 12" = 1'-0"

TABLE OF CONTENTS		TABLE OF CONTENTS		REVISIONS			
PAGE #	PAGE NAME	PAGE #	PAGE NAME	REV	DESCRIPTION	DATE	DESIGNER
1.0	COVER PAGE	6.0	FINISH SELECTION	0	Drawing Creation	02.08.23	MND
2.0	FLOOR PLAN	7.0	CABLE SHEET				
2.01	FLOOR PLAN - COMBINED RMS	D10.0	PANEL PLAN				
3.0	TYPICAL CURVED						
3.01	TYPICAL STRAIGHT (TT)						
3.02	TYPICAL STAIGHT (FT)						
4.0	ELEVATIONS						

Opportunity: 0027429
 Carpet Opp: N/A
 Drawing Name: COVER PAGE
 SHEET: 1.0 SCALE: 12" = 1'-0"
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Signature: _____ Title: _____ Date: _____

Sign-Off Initials: _____ REV 0



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Sales : Megan Clayborn
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Designer : Meghan Dinardi
Email : MeghanD@xybix.com

Moberly Police Department
300 N. Clark Street
Moberly, Missouri 65270

Opportunity: 0027429

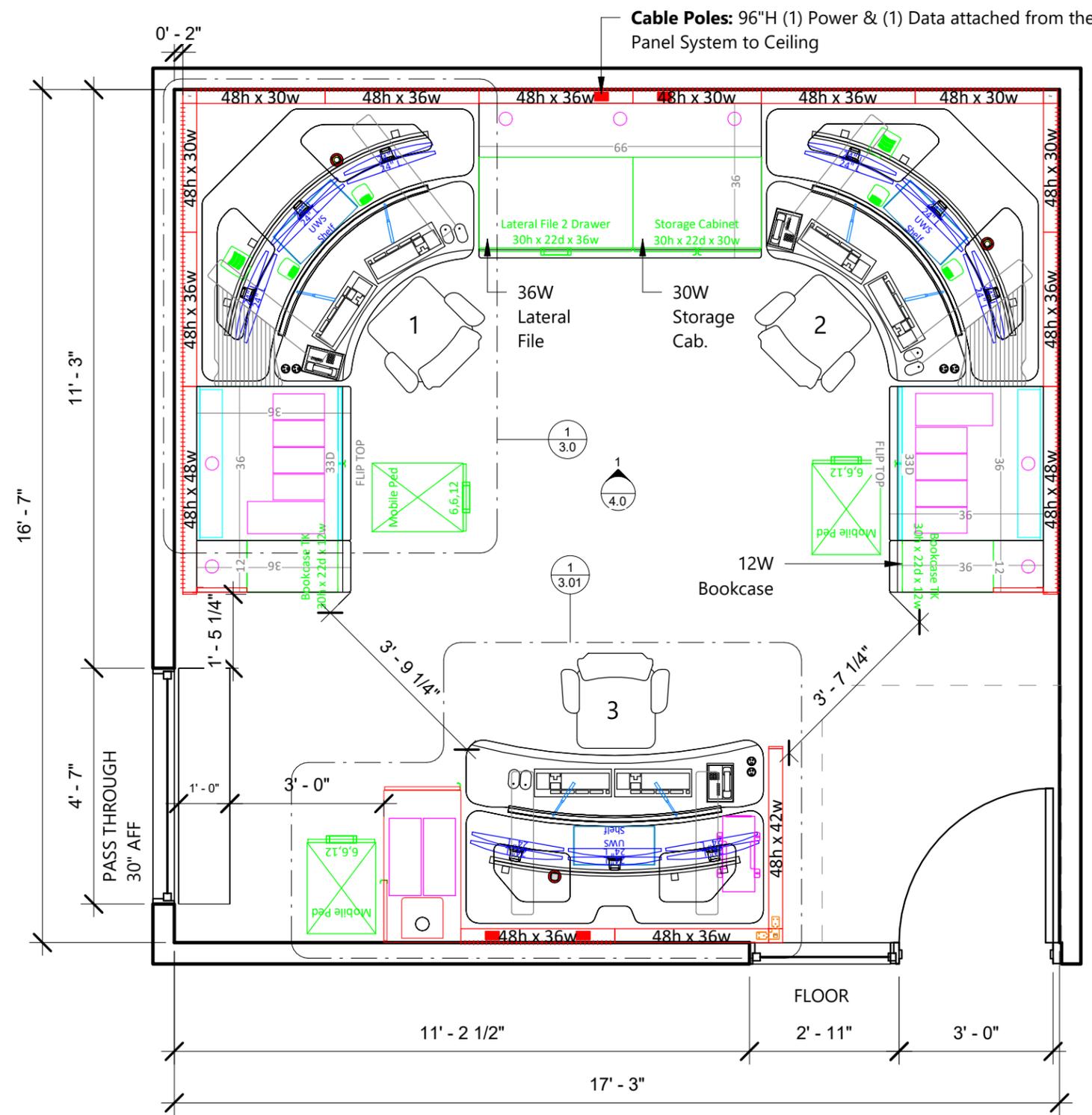
Carpet Opp: N/A

Drawing Name:
FLOOR PLAN - ROOM
1

SHEET: 2.0 SCALE:

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CEILING HEIGHT: 7' 9"
POWER/DATA COMING FROM: CEILING

XYBIX DOES NOT RECOMMEND LOCATING THE MOBILE PEDESTAL FILES UNDER THE WORKSTATIONS DUE TO POSSIBLE COLLISION IF WORKSTATION IS LOWERED WITH MOBILE PED UNDER IT.

1 FLOOR PLAN - ROOM 1
3/8" = 1'-0"





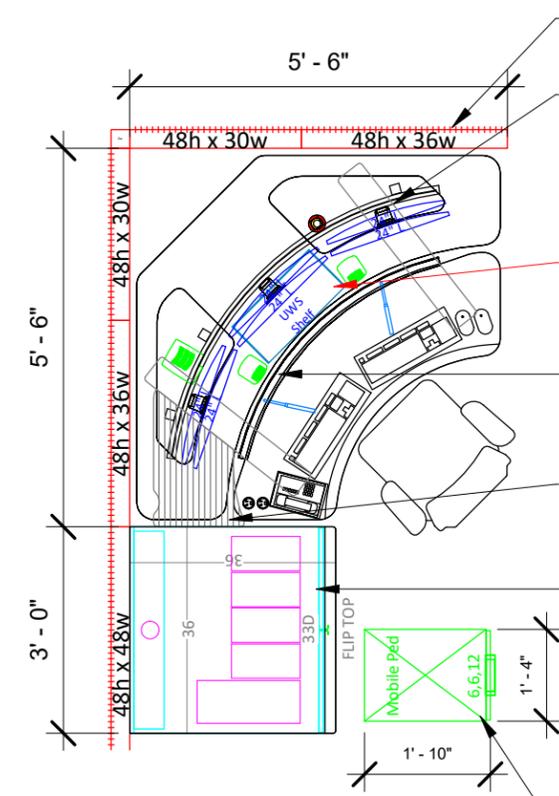
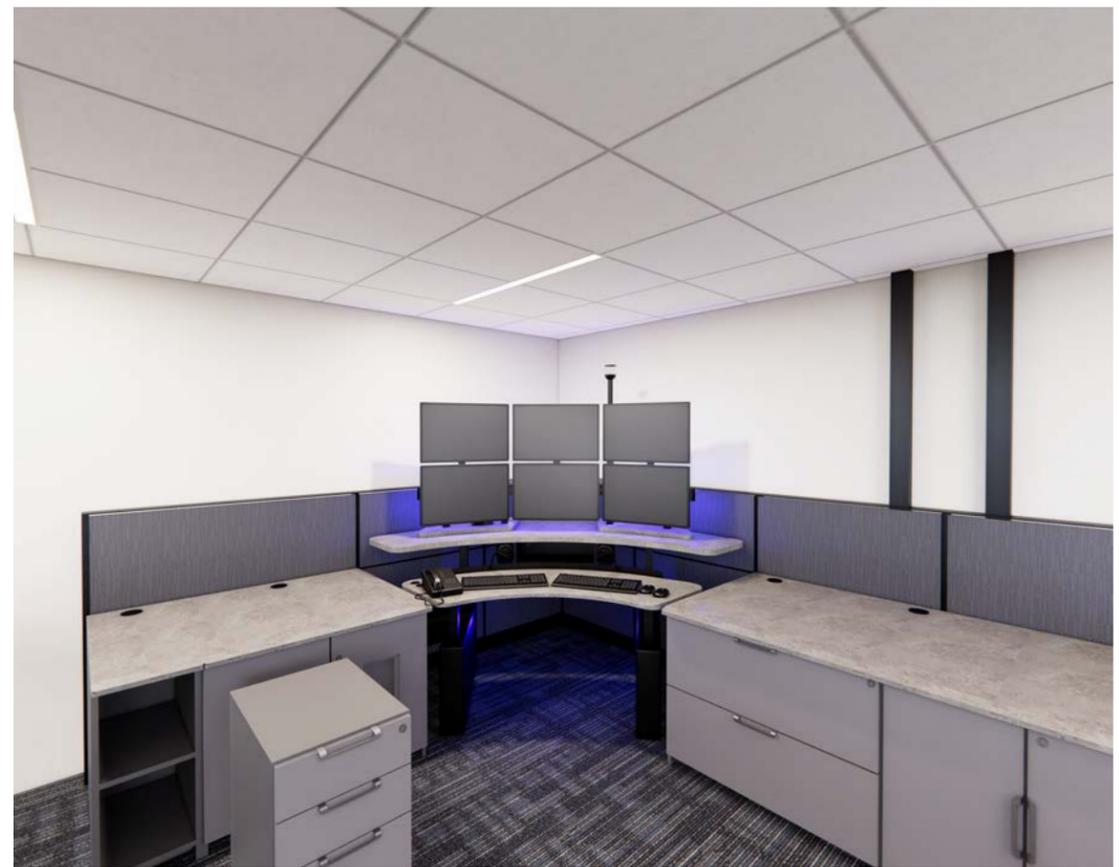
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 Designer : Meghan Dinardi
 Email : MeghanD@xybix.com

Moberly Police Department
 300 N. Clark Street
 Moberly, Missouri 65270

Xybix 66"x66" Dual Surface Console:
 Sit to stand adjustment range of 22"-48" AFF,
 with L4 Table Base

- OPTIONAL:**
Axys Control System
User Interface controlled through Windows, Andriod, and IOS
Fan: Forced Air Flow
Heat: (2) 250w Forced Air Heaters
Task Light: (2) Dimmable lights with flexible mounting arm on keyboard surface.
Footwell Lighting
Down Bias Lighting
Arc Lighting
Status Light: (1) High with Red, Yellow, Green, Blue LED's



- 48"H Panel System:** .55NRC Rated sound absorption
- "Rollervision" Monitor Mounting System:** 10" focal depth adjustment, accommodates the following monitors left to right:
Top Row: 24", 24", 24"
Bottom Row: 24", 24", 24"
- OPTIONAL: Single Metal Shelf:** Under monitor surface, with grommet & **Power-only USB Port upgrade.** 19"W x 5 1/4"H x 9"D
- Datadock:** Keyboard surface cable organizer, accommodates the following: (8) USB Ports & (1) CAT6 Port
- Cable Management Bridge:** Cable organization from desk to CPU Cabinet
- 36"W CPU Cabinet under Flip Top Worksurface:** front locking doors, internal fixed shelf, (2) silent 45 CFM fans for active ventilation.
CPU's Per Position:
(4) 6"W x 13"H x 12"D
(1) XX"W x XX"H x XX"D
- 16"W Mobile Pedestal:** 6", 6", 12" drawers with Detachable Memory Foam Cushion

- OPTIONAL: Additional Accessories**
 Footrest
 Wrist Rest, for keyboard
 Wrist Rest, for mouse
 24/7 Operator Seating

1 TYPICAL CURVED
 3/8" = 1'-0"

Opportunity: 0027429	
Carpet Opp: N/A	
Drawing Name: TYPICAL CURVED	
SHEET: 3.0	SCALE: 3.0
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Moberly Police Department
300 N. Clark Street
Moberly, Missouri 65270

Opportunity: 0027429

Carpet Opp: N/A

Drawing Name:
TYPICAL STRAIGHT
(TT)

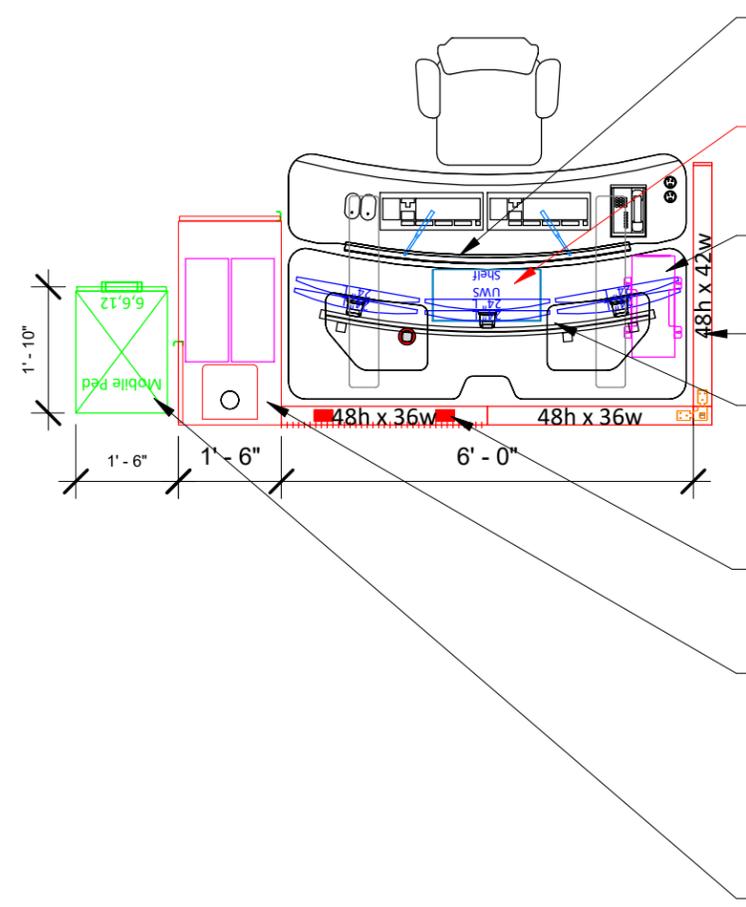
SHEET: 3.01 SCALE:

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Sign-Off Initials: x _____ REV
0

Xybix 72"x44" M Dual Surface Console:
Sit to stand adjustment range of 22"-48" AFF,
with L4 Table Base

- OPTIONAL:**
- Axys Control System**
- User Interface controlled through Windows, Andriod, and IOS**
- Fan:** Forced Air Flow
- Heat:** (2) 250w Forced Air Heaters
- Task Light:** (2) Dimmable lights with flexible mounting arm on keyboard surface.
- Footwell Lighting**
- Down Bias Lighting**
- Arc Lighting**
- Status Light:** (1) High with Red, Yellow, Green, Blue LED's



- Datadock:** Keyboard surface cable organizer, accommodates the following: (8) USB Ports & (1) CAT6 Port
- OPTIONAL: Single Metal Shelf:** Under monitor surface, with grommet & **Power-only USB Port upgrade.** 19"W x 5 1/4"H x 9"D
- (1) CPU Hanger:** Mounted under monitor surface, Max. 20"H CPU
- 48" H Panel System:** .55NRC Rated sound absorption
- "Rollervision" Monitor Mounting System:** 10" focal depth adjustment, accommodates the following monitors left to right:
Top Row: 24", 24", 24"
Bottom Row: 24", 24", 24"
- Cable Poles:** 96"H (1) Power & (1) Data attached from the Panel System to Ceiling
- 18" W x 48" H TechTower CPU Cabinet:** front & side locking doors, (2) internal fixed shelves, (2) silent 45 CFM fans for active ventilation.
- CPU's Per Position:**
(4) 6"W x 13"H x 12"D
(1) XX"W x XX"H x XX"D
- 16" W Mobile Pedestal:** 6", 6", 12" drawers with Detachable Memory Foam Cushion

- OPTIONAL: Additional Accessories**
- Footrest
- Wrist Rest, for keyboard
- Wrist Rest, for mouse
- 24/7 Operator Seating

1 TYPICAL STRAIGHT W/ TT
3/8" = 1'-0"



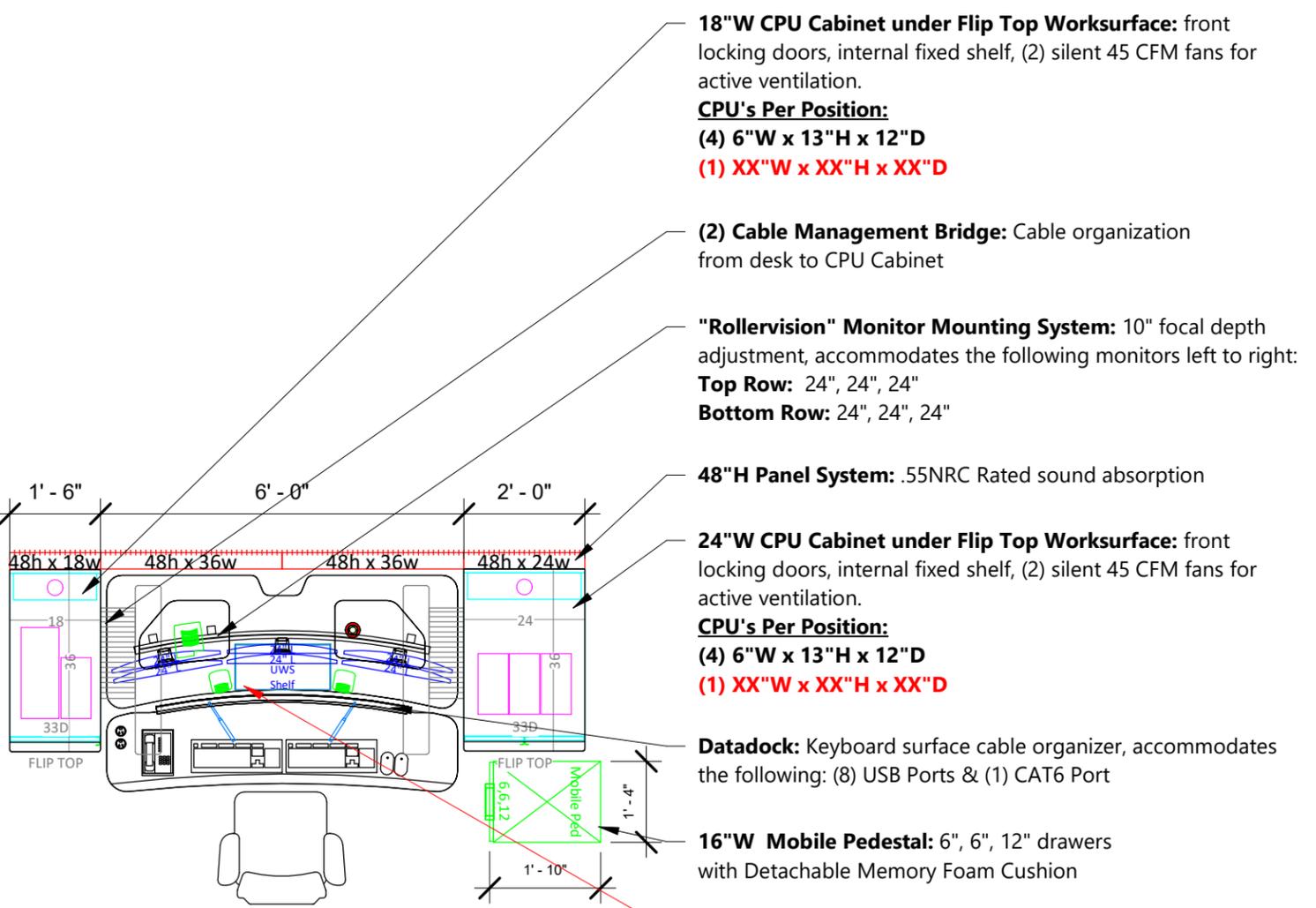
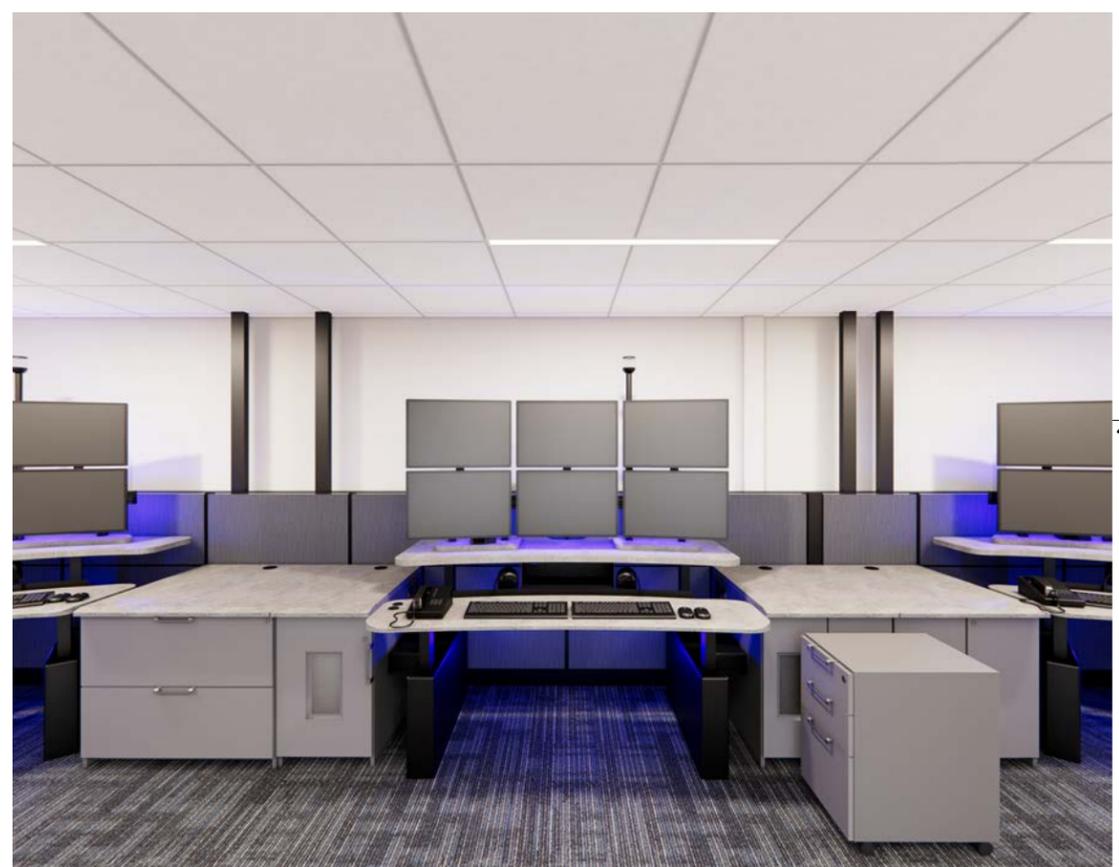
8207 SouthPark Circle
 Littleton, CO. 80120
 1.800.788.2810 F.303.683.5454
 www.xybix.com

Sales : Megan Clayborn
 Email : MikeG@xybix.com
 Designer : Meghan Dinardi
 Email : MeghanD@xybix.com

Moberly Police Department
 300 N. Clark Street
 Moberly, Missouri 65270

Xybix 72"x44" Dual Surface Console:
 Sit to stand adjustment range of 22"-48" AFF,
 with L4 Table Base

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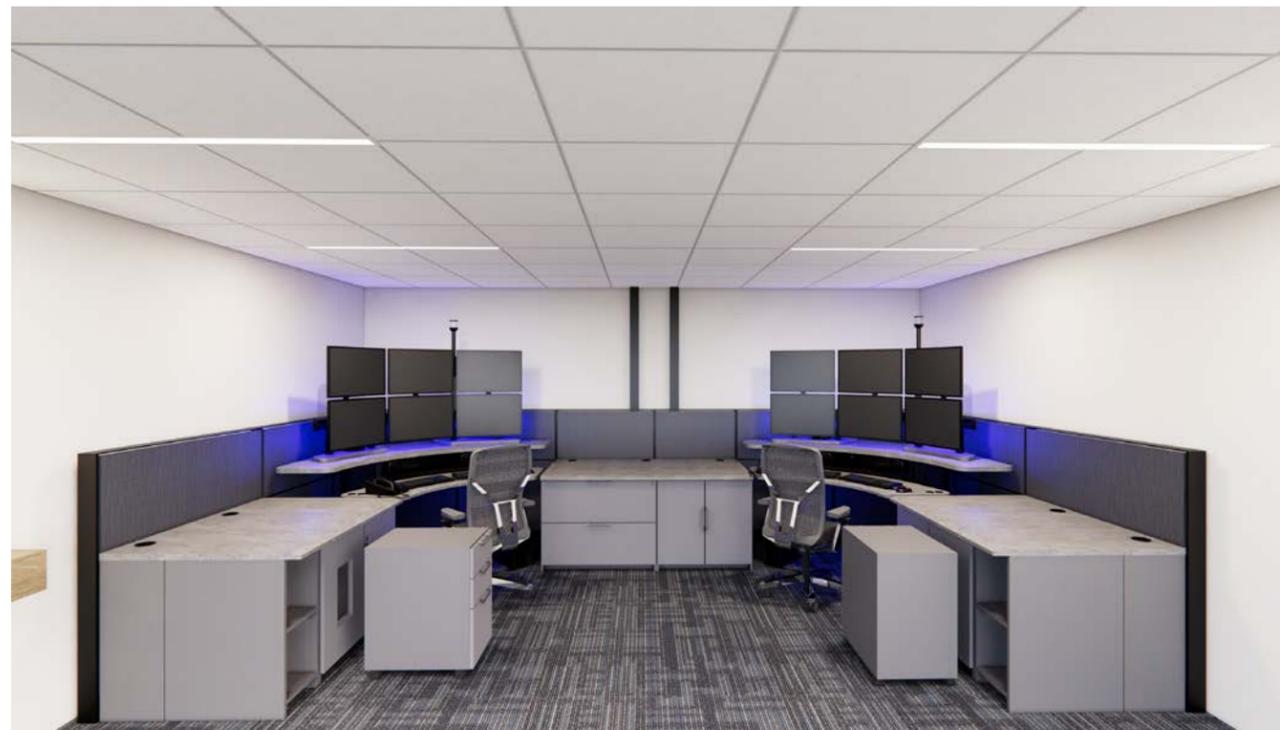


1 TYPICAL STRAIGHT W/ FT
 3/8" = 1'-0"

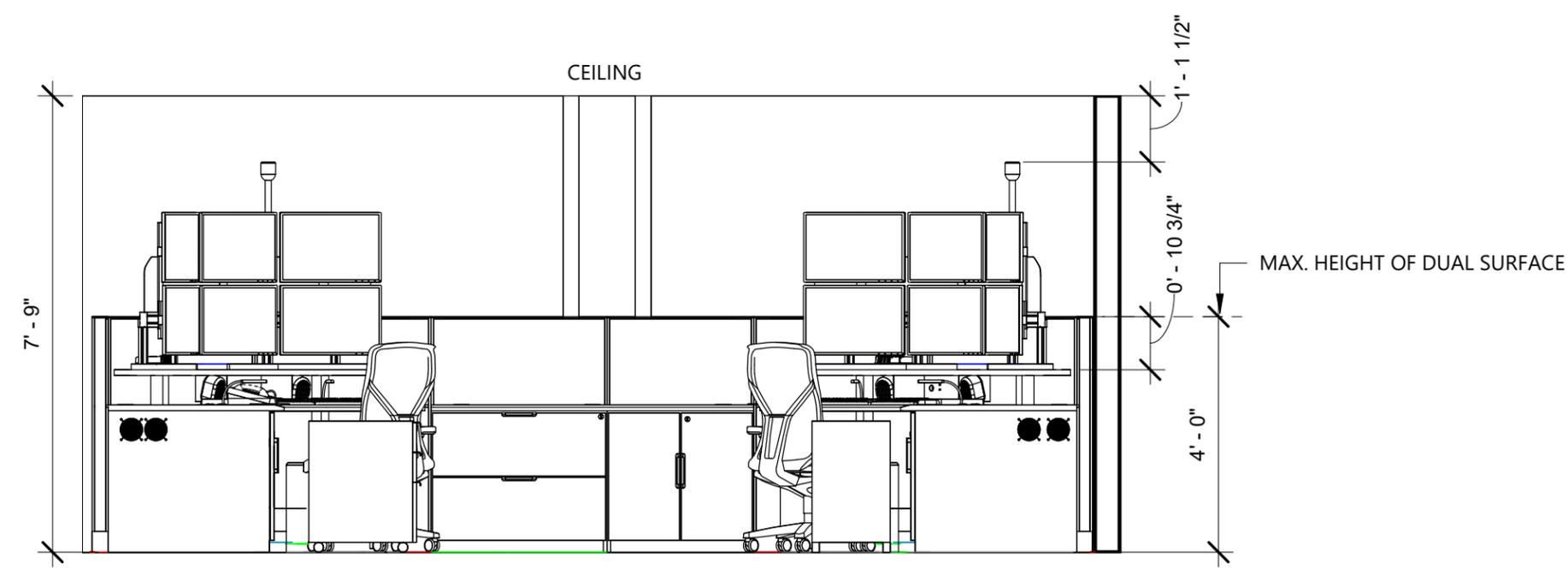
Opportunity: 0027429	
Carpet Opp: N/A	
Drawing Name: TYPICAL STAIGHT (FT)	
SHEET: 3.02	SCALE:
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Sign-Off Initials: x	REV 0

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① POD ELEVATION
 3/8" = 1'-0"

Opportunity: 0027429

Carpet Opp: N/A

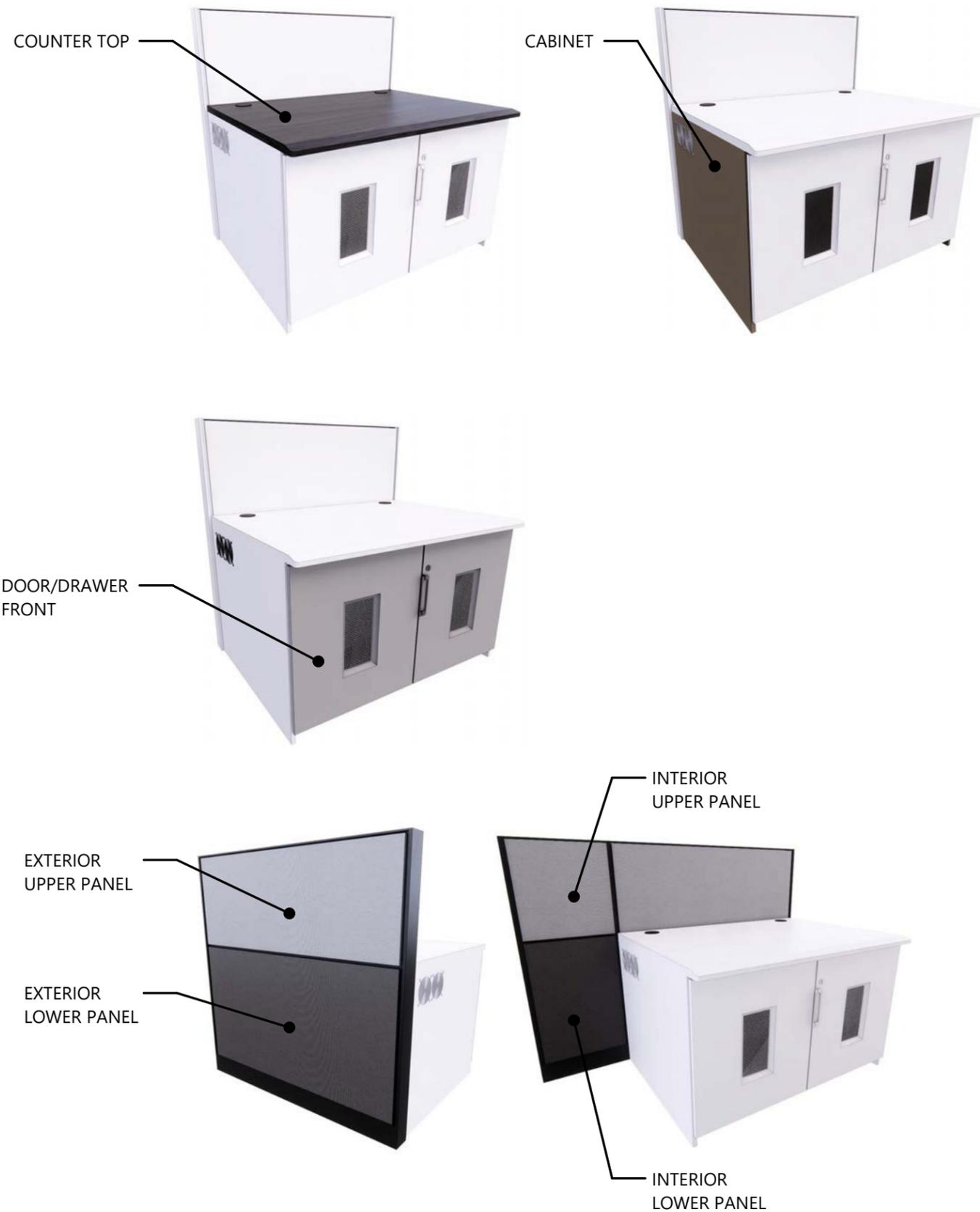
Drawing Name:
 ELEVATIONS

SHEET: 4.0	SCALE:
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Sign-Off Initials: x _____	REV 0
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FINISH LOCATIONS



FINISH SELECTIONS

Panel Trim : Black
 Interior Upper Panel : .
 Interior Lower Panel : .
 Exterior Upper Panel : .
 Exterior Lower Panel : .
 Counter Top : .
 Door & Drawer Front : .
 Cabinet : .
 Edgeband : .
 Handle : Eagle Silver

<u>Interior Upper Panel</u>	<u>Exterior Upper Panel</u>	<u>Counter Top</u>	<u>Handle</u>
			SILVER
<u>Interior Lower Panel</u>	<u>Exterior Lower Panel</u>	<u>Cabinet</u>	<u>Door/Drawer Front</u>

CARPET SELECTIONS

Carpet : .N/A
 Cove Base : .N/A
 Installation Method : .N/A

<u>Carpet</u>	<u>Cove Base</u>	<u>Installation Method</u>
N/A	N/A	N/A



WS #2.

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Moberly Police Department
 300 N. Clark Street
 Moberly, Missouri 65270

Opportunity: 0027429

Carpet Opp: N/A

Drawing Name:
 FINISH SELECTION

SHEET: 6.0 SCALE: 3/8" = 1'-0"

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Sign-Off Initials: _____ REV 0

CABLE EXTENSIONS (PER POSITION)

POSITION(S) TYPE: WS 1-3

WS #2.

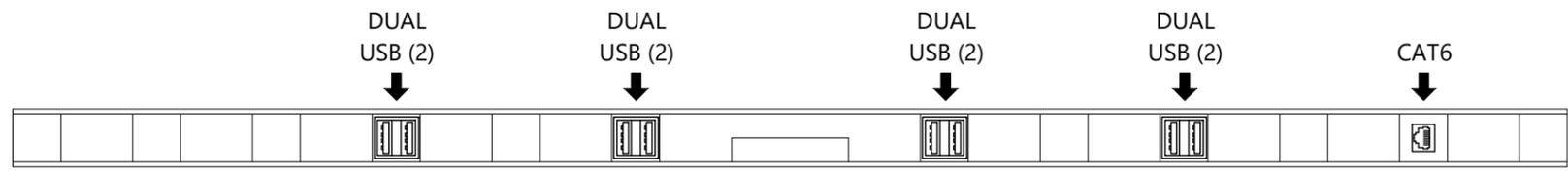


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DUAL SURFACE DATADOCK CABLES (For Keyboard, Mouse and Phone connections)



CABLE ADAPTOR TYPE	 DUAL USB (2) (Cable Managed to CPU Cabinet) Keyboard & Mouse	 CHARGE ONLY - DUAL USB (2) (Cable Managed to Power Outlet) Cell Phone charging	 CAT6 (Max. 2) (Cable Managed to CPU Cabinet) Phone ONLY not for Networking	***Datadock has (5) additional slots for expansion if more than (8) USB's and (1) CAT6 is needed. Please note that additional cables will be charged separately.***
QUANTITY	8 Total	N/A	1 Total	

MONITOR SURFACE CABLES

CABLE TYPE	 VGA Male / Female Extension Standard Connection for monitors.	 DVI-D Male / Female Extension Typical for Hi-Resolution	 DVI-I 10' Max Length Male / Female Extension Typical for Hi-Resolution	 HDMI Male / Male Extension Typical for Hi-Resolution
QUANTITY				
CABLE TYPE	 Display Port Male / Male Extension Typical for Hi-Resolution	 Display Port to Mini Display Port	 USB	 AUDIO Typical for Speakers
QUANTITY				

TO BE DETERMINED

KEYBOARD SURFACE CABLES (ONLY applies for Monitor or Touchscreen sitting on Keyboard Surface)

CABLE TYPE	 VGA Male / Female Extension Standard Connection for monitors.	 DVI-D Male / Female Extension Typical for Hi-Resolution	 DVI-I 10' Max Length Male / Female Extension Typical for Hi-Resolution	 HDMI Male / Male Extension Typical for Hi-Resolution	 Display Port Male / Male Extension Typical for Hi-Resolution	 USB Keyboard & Mouse	 CAT6 Phone ONLY
QUANTITY							

NOT APPLICABLE

OPTIONAL ITEMS FOR MONITOR SURFACE (EX: CABLE ADAPTORS, USB'S)

CABLE ADAPTOR TYPE	TO	TO		
QUANTITY				

Opportunity: 0027429
Carpet Opp: N/A
Drawing Name:
CABLE SHEET

SHEET: 7.0
SCALE:

NOTE: This design & layout is the property of XYBIX Systems, Inc. & is not to be used in any written manner without express written permission by XYBIX Systems, Inc.

If different cable connector types are required it is your responsibility to contact your Designer or Sales Rep. You agree that any changes to this order following receipt of sign-off drawing and PO may result in additional cost that will be expensed to the client.

Signature: _____

Date: _____

Sign-Off Initials: _____
REV
0

Xybix Systems, Inc.
 8207 SouthPark Circle
 Littleton CO 80120
 Phone: 303-683-5656
 Fax: 303-683-5454
 meghand



Quote Number: 32008

Quote Date: WS #2.
 Revision:
 Orig Create Date: 2/9/2023
 Expires: 5/10/2023
 Opp #: 0027429

Quote

Terms: 50% DEP;40% INSTALL;10% PUNCH

Page: 1 of 4

<p>QUOTE TO: Acct: MOBPOLMOMO Randolph County Commission 372 Highway JJ Suite 2C Huntsville MO 65259</p> <p>Phone: Email:</p>	<p>SHIP TO: Moberly Police Department 300 N Clark Street Moberly, MO 65270 USA</p> <p>Salesperson: MEGAN CLAYBORN Phone: (720) 404-7227 Email: MeganC@xybix.com</p>
---	--

*Standard 2022-9 Price List
 Product Line: Eagle Line
 Install Type: Standard
 Removal & Disposal: (2) qty.
 Tax Exempt
 * ROOM 1*

02.09.2023: R0 – Drawing Creation - MND

OPTIONAL ITEMS:
*Please note that Optional Items are not included in the total price.
 Please contact Xybix to have any Optional Items included in the final price.
 Freight & Installation charges will be adjusted accordingly.*

REMOVAL OF EXISTING:
*All equipment and electrical must be removed from the existing workstations prior to removal. Removal is priced to take place during the installation of the new Xybix workstations.
 Removal does not include any patch or paint needed for any part of the workstation that is permanently mounted to the wall currently.
 Removal does not include any modifications to the pass-through window. The pass-through window modifications will need to be done prior to the installation by the customer.*

Line	Part Num	Desc	Qty	U/M	List Ea.	Disc. %	Disc. Price	Net Price
1.00	12343.	Panel System Priced by the Linear Foot: Grade 3 Fabric 12343-1-SS - 29-48in - 38.5 LF @ \$287.00/LF 12343-1-DS - 29-48in - 8.0 LF @ \$388.00/LF Upper Tiles Fabric Color: TBD Grade 3 G2 Lower Tiles Fabric Color: TBD Grade 3 G2 Panel Trim Color: Black	1	1.00 EA	\$14,153.50	36.00 %	\$9,058.24	\$9,058.24
1.01	14145-BLK	Cable Pole 96" - Alum Black	2	4.00 EA	\$133.00	36.00 %	\$85.12	\$340.48
2.00	14486-3D.	Adj. Table Worksurface - Corner Dual Surface - 66L x 66R - Cable Management Included	3	2.00 EA	\$2,999.00	50.00 %	\$1,499.50	\$2,999.00
2.01	14498-3D.	Adj. Table Worksurface - Straight Dual Surface - 72W x 44D M - Cable Management Included	4	1.00 EA	\$2,037.00	50.00 %	\$1,018.50	\$1,018.50

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Quote

Terms: 50% DEP;40% INSTALL;10% PUNCH

Page: 2 of 4

Line	Part Num	Desc	Qty	U/M	List Ea.	Disc. %	Disc. Price	Net Price
3.00	15701	L4 Table Base	5	3.00 EA	\$7,378.00	50.00 %	\$3,689.00	\$11,067.00
4.00	16744.	Monitor Mount 3 - Rollervision - Corner Dual Surface - 66L x 66R 16676 - Std VESA Mount 2 HI 2 Knuckle Qty = 3 Total: \$3,045.00	6	2.00 EA	\$5,832.00	50.00 %	\$2,916.00	\$5,832.00
4.01	16745.	Monitor Mount 3 - Rollervision - Straight Dual Surface - 72W x 44D M 16676 - Std VESA Mount 2 HI 2 Knuckle Qty = 3 Total: \$3,045.00	7	1.00 EA	\$5,832.00	50.00 %	\$2,916.00	\$2,916.00
5.00	13074	Ext Cable Monitor - TBD	8	18.00 EA	\$124.00	50.00 %	\$62.00	\$1,116.00
5.01	16130-8	Datadock2 - Keyboard Snap-In Cable Organizer Includes: 8 - USB Ports 1 - RJ45 Port	9	3.00 EA	\$841.00	50.00 %	\$420.50	\$1,261.50
5.02	15033	Data Package 12-Port Patch Panels, 2 Per Station	40	6.00 EA	\$637.00	50.00 %	\$318.50	\$1,911.00
6.00	11792-BLK	Power Bar - 10 Outlet With Black Sticker	10	3.00 EA	\$185.00	50.00 %	\$92.50	\$277.50
6.01	11792-OR	Power Bar - 10 Outlet With Orange Sticker	11	3.00 EA	\$185.00	50.00 %	\$92.50	\$277.50
6.02	14976	6 Outlet Power Strip 25'	12	1.00 EA	\$196.00	50.00 %	\$98.00	\$98.00
7.00	16708.	Axys Control System with Fan Base Price: \$2,121.00 16707AXS - Heat - \$675.00 16709AXS - Task Lights - \$270.00 16711AXS - Footwell Lighting - \$259.00 16712AXS - Down Bias Lighting - \$159.00 16713AXS - Arc Lighting - \$530.00 16769AXS - Axys Status Light 1 HI - \$1,097.00	13	0.00 EA	\$5,111.00	50.00 %	\$2,555.50	\$0.00
		OPTIONAL x3						
7.01	15560	Acrylic Cleaning Kit	35	0.00 EA	\$159.00	50.00 %	\$79.50	\$0.00
		OPTIONAL x1						
8.00	15463	Shelf Under Surface 19W x 9D - Metal	14	0.00 EA	\$184.00	50.00 %	\$92.00	\$0.00
		OPTIONAL x3						

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 Revision:
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Quote

Terms: 50% DEP;40% INSTALL;10% PUNCH

Page: 3 of 4

Line	Part Num	Desc	Qty	U/M	List Ea.	Disc. %	Disc. Price	Net Price
8.01	15476	Shelf Under Surface USB Charging Upgrade Assembly	15	0.00 EA	\$154.00	50.00 %	\$77.00	\$0.00
		OPTIONAL x3						
10.00	12033-3D.	Return Worksurface - 12Wx36D	16	2.00 EA	\$782.00	50.00 %	\$391.00	\$782.00
10.01	12033-3D-FT.	Flip Top Return Worksurface - 36Wx36D	17	2.00 EA	\$782.00	50.00 %	\$391.00	\$782.00
10.02	12035-3D.	Return Worksurface - 66Wx36D	18	1.00 EA	\$1,409.00	50.00 %	\$704.50	\$704.50
11.00	16209	Cable Bridge Corner Angled Left Side	19	1.00 EA	\$289.00	50.00 %	\$144.50	\$144.50
11.01	16210	Cable Bridge Corner Angled Right Side	20	1.00 EA	\$289.00	50.00 %	\$144.50	\$144.50
11.02	15894-HP	CPU Hanger, High Profile	21	1.00 EA	\$132.00	50.00 %	\$66.00	\$66.00
11.03	15220-3D.	CPU Cabinet - ERGO ACCESS Tech Tower 18Wx48H Right Access	22	1.00 EA	\$2,331.00	50.00 %	\$1,165.50	\$1,165.50
11.04	15488-3D-FT.	CPU Cabinet - ERGO ACCESS Under Work Surface 36Wx34.5D With Flip Top Hinge	23	2.00 EA	\$1,993.00	50.00 %	\$996.50	\$1,993.00
12.00	C-11093-3D.	Drawer Pedestal - Mobile - Single - 16W - 6-6-12 Drawers 16W 22D	24	3.00 EA	\$1,566.00	50.00 %	\$783.00	\$2,349.00
12.01	CUSHION	Detachable Tufted Memory Foam Chair Cushions, Thick Durable and Washable Slip Resistant Pads, 16 x 17 - MATERIAL TBD	25	3.00 EA	\$240.00	50.00 %	\$120.00	\$360.00
14.00	11668-3D.	Lateral File - 36W2 Drawer 30H	26	1.00 EA	\$2,172.00	50.00 %	\$1,086.00	\$1,086.00
15.00	11765-3D.	Bookcase - UnderWS W/Toekick - 12W, 28H, 22D	27	2.00 EA	\$862.00	50.00 %	\$431.00	\$862.00
16.00	13675-3D.	Storage Cabinet - UnderWS W/Toekick - 30W, 28H, 22D	28	1.00 EA	\$1,396.00	50.00 %	\$698.00	\$698.00
19.00	11359	Footrest Adjustable 3-1/4" to 5"	29	0.00 EA	\$263.00	50.00 %	\$131.50	\$0.00
		OPTIONAL x3						
19.01	C-10869	Wrist Rest - For Keyboard and Mouse, Package	30	0.00 EA	\$74.95	50.00 %	\$37.48	\$0.00
		OPTIONAL x3						

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 Littleton CO 80120
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 meghand



Quote Number: 32008

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 Revision:
 Orig Create Date: 2/9/2023
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 Opp #: 0027429

Quote

Terms: 50% DEP;40% INSTALL;10% PUNCH

Page: 4 of 4

Line	Part Num	Desc	Qty U/M	List Ea.	Disc. %	Disc. Price	Net Price
20.00	CHAIR	24/7 Concept Seating - 3150HR Operator Heavy Duty Task Chair, Swing - MATERIAL TBD - Includes shipping directly to customer	31 0.00 EA	\$1,547.28	0.00 %	\$1,547.28	\$0.00
		OPTIONAL x3					
20.01	PB	Performance Bond	41 0.00 EA	\$950.99	0.00 %	\$950.99	\$0.00
		OPTIONAL x1					
90.00	16139	Installers Kit Eagle Line	32 3.00 EA	\$0.00	0.00 %	\$0.00	\$0.00
99.00	Other	Other Charges & Services	33 1.00 EA	\$0.00	0.00 %	\$0.00	\$0.00
Line (33) - Miscellaneous Charge -							
						Description	Ext. Price
						1.) Freight - Full Truck	2,307.00
						2.) Installation	10,125.00
						3.) Removal & Disposal (x2)	1,657.50
List Price Total:				\$94,507.50	Lines Total:		\$49,309.72
				Line Miscellaneous Charges		Total:	
						\$14,089.50	
				Taxes Total:		\$0.00	
				Quote Total:		\$63,399.22	

Note 1:
 All quoted taxes are estimated. Any applicable taxes, fees, permits, etc. must be added to this quote.

Note 2:
 Where installation is listed on quote it is based in non-union labor and on one trip for installation only. Client is responsible for coordination of Technicians and other Vendors/Contractors. Waiting time will be charged at the rate of \$75 per man hour straight time and \$115 per man hour for OT plus subsistence expenses.
 Additionally, this quote is based upon a remodel in an existing space and/or new building - completely finished with a Certificate of Occupancy. Any project where the General Contractor is still on the job is subject to additional charges.

We appreciate this opportunity to provide this quote. Our goal is to substantially improve working conditions for your valuable staff. We look forward to meeting with you to review this proposal in detail. In the meantime please don't hesitate to call us with any questions.

Xybix Systems, Inc.
 8207 SouthPark Circle
 Littleton CO 80120
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 meghand



Quote Number: 32009

Quote Date: WS #2.
 Revision:
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 Opp #: 0027429

Quote

Terms: 50% DEP;40% INSTALL;10% PUNCH

Page: 1 of 5

<p>QUOTE TO: Acct: MOBPOLMOMO Randolph County Commission 372 Highway JJ Suite 2C Huntsville MO 65259</p> <p>Phone: Email:</p>	<p>SHIP TO: Moberly Police Department 300 N Clark Street Moberly, MO 65270 USA</p> <p>Salesperson: MEGAN CLAYBORN Phone: (720) 404-7227 Email: MeganC@xybix.com</p>
---	--

*Standard 2022-9 Price List
 Product Line: Eagle Line
 Install Type: Standard
 Removal & Disposal: (2) qty.
 Tax Exempt
 * COMBINED ROOM*

02.09.2023: R0 – Drawing Creation - MND

OPTIONAL ITEMS:
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*All equipment and electrical must be removed from the existing workstations prior to removal. Removal is priced to take place during the installation of the new Xybix workstations.
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1.01	14145-BLK	Cable Pole 96" - Alum Black	2	4.00 EA	\$133.00	36.00 %	\$85.12	\$340.48
2.00	14486-3D.	Adj. Table Worksurface - Corner Dual Surface - 66L x 66R - Cable Management Included	3	2.00 EA	\$2,999.00	50.00 %	\$1,499.50	\$2,999.00
2.01	14498-3D.	Adj. Table Worksurface - Straight Dual Surface - 72W x 44D - Cable Management Included	4	1.00 EA	\$2,037.00	50.00 %	\$1,018.50	\$1,018.50

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Page: 2 of 5

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4.00	16744.	Monitor Mount 3 - Rollervision - Corner Dual Surface - 66L x 66R 16676 - Std VESA Mount 2 HI 2 Knuckle Qty = 3 Total: \$3,045.00	6	2.00 EA	\$5,832.00	50.00 %	\$2,916.00	\$5,832.00
4.01	16745.	Monitor Mount 3 - Rollervision - Straight Dual Surface - 72W x 44D 16676 - Std VESA Mount 2 HI 2 Knuckle Qty = 3 Total: \$3,045.00	7	1.00 EA	\$5,832.00	50.00 %	\$2,916.00	\$2,916.00
5.00	13074	Ext Cable Monitor - TBD	8	18.00 EA	\$124.00	50.00 %	\$62.00	\$1,116.00
5.01	16130-8	Datadock2 - Keyboard Snap-In Cable Organizer Includes: 8 - USB Ports 1 - RJ45 Port	9	3.00 EA	\$841.00	50.00 %	\$420.50	\$1,261.50
5.02	15822	Lift Case additional Energy Chains NO PULL	10	1.00 EA	\$280.00	50.00 %	\$140.00	\$140.00
5.03	11683	Energy Chain 22-48 Monitor Surface	11	1.00 EA	\$298.00	50.00 %	\$149.00	\$149.00
5.04	15033	Data Package 12-Port Patch Panels, 2 Per Station	48	6.00 EA	\$637.00	50.00 %	\$318.50	\$1,911.00
6.00	11792-BLK	Power Bar - 10 Outlet With Black Sticker	12	3.00 EA	\$185.00	50.00 %	\$92.50	\$277.50
6.01	11792-OR	Power Bar - 10 Outlet With Orange Sticker	13	3.00 EA	\$185.00	50.00 %	\$92.50	\$277.50
7.00	16708.	Axys Control System with Fan Base Price: \$2,121.00 16707AXS - Heat - \$675.00 16709AXS - Task Lights - \$270.00 16711AXS - Footwell Lighting - \$259.00 16712AXS - Down Bias Lighting - \$159.00 16713AXS - Arc Lighting - \$530.00 16769AXS - Axys Status Light 1 HI - \$1,097.00	14	0.00 EA	\$5,111.00	50.00 %	\$2,555.50	\$0.00
OPTIONAL x3								
7.01	15560	Acrylic Cleaning Kit	15	0.00 EA	\$159.00	50.00 %	\$79.50	\$0.00
OPTIONAL x1								
8.00	15463	Shelf Under Surface 19W x 9D - Metal	181	0.00 EA	\$184.00	50.00 %	\$92.00	\$0.00

Xybix Systems, Inc.
 8207 SouthPark Circle
 Littleton CO 80120
 Phone: 303-683-5656
 Fax: 303-683-5454
 meghand



Quote Number: 32009

Quote Date: WS #2.
 Revision:
 Orig Create Date: 2/9/2023
 Expires: 5/10/2023
 Opp #: 0027429

Quote

Terms: 50% DEP;40% INSTALL;10% PUNCH

Page: 3 of 5

Line	Part Num	Desc	Qty	U/M	List Ea.	Disc. %	Disc. Price	Net Price
		OPTIONAL x3						
8.01	15476	Shelf Under Surface USB Charging Upgrade Assembly ²¹	0.00	EA	\$154.00	50.00 %	\$77.00	\$0.00
		OPTIONAL x3						
10.00	12033-3D-FT.	Flip Top Return Worksurface - 18Wx36D ²²	1.00	EA	\$782.00	50.00 %	\$391.00	\$391.00
10.01	12033-3D-FT.	Flip Top Return Worksurface - 24Wx36D ²³	1.00	EA	\$782.00	50.00 %	\$391.00	\$391.00
10.02	12033-3D.	Return Worksurface - 27.25Wx36D ²⁴	1.00	EA	\$782.00	50.00 %	\$391.00	\$391.00
10.03	12033-3D-FT.	Flip Top Return Worksurface - 36Wx36D ²⁵	2.00	EA	\$782.00	50.00 %	\$391.00	\$782.00
10.04	12033-3D.	Return Worksurface - 36Wx36D ⁴⁷	1.00	EA	\$782.00	50.00 %	\$391.00	\$391.00
10.05	12035-3D.	Return Worksurface - 71Wx36D ²⁷	0.00	EA	\$1,409.00	50.00 %	\$704.50	\$0.00
		OPTIONAL x1						
11.00	16209	Cable Bridge Corner Angled Left Side ²⁸	1.00	EA	\$289.00	50.00 %	\$144.50	\$144.50
11.01	16210	Cable Bridge Corner Angled Right Side ²⁹	1.00	EA	\$289.00	50.00 %	\$144.50	\$144.50
11.02	15709	Cable Bridge Straight Left Side ³⁰	1.00	EA	\$289.00	50.00 %	\$144.50	\$144.50
11.03	15710	Cable Bridge Straight Right Side ³¹	1.00	EA	\$289.00	50.00 %	\$144.50	\$144.50
11.04	15482-3D-FT.	CPU Cabinet - ERGO ACCESS Under Work Surface 18Wx34.5D With Flip Top Hinge ³²	1.00	EA	\$1,620.00	50.00 %	\$810.00	\$810.00
11.05	15484-3D-FT.	CPU Cabinet - ERGO ACCESS Under Work Surface 24Wx34.5D With Flip Top Hinge ³³	1.00	EA	\$1,859.00	50.00 %	\$929.50	\$929.50
11.06	15488-3D-FT.	CPU Cabinet - ERGO ACCESS Under Work Surface 36Wx34.5D With Flip Top Hinge ³⁴	2.00	EA	\$1,993.00	50.00 %	\$996.50	\$1,993.00
12.00	C-11093-3D.	Drawer Pedestal - Mobile - Single - 16W - 6-6-12 Drawers 16W 22D ³⁵	3.00	EA	\$1,566.00	50.00 %	\$783.00	\$2,349.00
12.01	CUSHION	Detachable Tufted Memory Foam Chair Cushion, Thick Durable and Washable Slip Resistant Pads, 16 x 17 - MATERIAL TBD ³⁶	3.00	EA	\$240.00	50.00 %	\$120.00	\$360.00

182

Xybix Systems, Inc.
 8207 SouthPark Circle
 Littleton CO 80120
 Phone: 303-683-5656
 Fax: 303-683-5454
 meghand



Quote Number: 32009

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 Opp #: 0027429

Quote

Terms: 50% DEP;40% INSTALL;10% PUNCH

Page: 4 of 5

Line	Part Num	Desc	Qty U/M	List Ea.	Disc. %	Disc. Price	Net Price
14.00	11668-3D.	Lateral File - 36W2 Drawer 30H 37	1.00 EA	\$2,172.00	50.00 %	\$1,086.00	\$1,086.00
14.01	11668-3D.	Lateral File - 36W2 Drawer 30H 38 OPTIONAL x2	0.00 EA	\$2,172.00	50.00 %	\$1,086.00	\$0.00
15.00	11766-3D.	Bookcase - UnderWS W/Toekick - 24W, 28H, 17D 39 OPTIONAL x2	0.00 EA	\$881.00	50.00 %	\$440.50	\$0.00
16.00	13675-3D.	Storage Cabinet - UnderWS W/Toekick - 27.25W, 28H, 22D 40	1.00 EA	\$1,396.00	50.00 %	\$698.00	\$698.00
19.00	11359	Footrest Adjustable 3-1/4" to 5" 41 OPTIONAL x3	0.00 EA	\$263.00	50.00 %	\$131.50	\$0.00
19.01	C-10869	Wrist Rest - For Keyboard and Mouse, Package 42 OPTIONAL x3	0.00 EA	\$74.95	50.00 %	\$37.48	\$0.00
20.00	CHAIR	24/7 Concept Seating - 3150HR Operator Heavy Duty Task Chair, Swing - MATERIAL TBD - Includes 43 OPTIONAL x3	0.00 EA	\$1,547.28	0.00 %	\$1,547.28	\$0.00
20.01	PB	Performance Bond 49 OPTIONAL x1	0.00 EA	\$960.92	0.00 %	\$960.92	\$0.00
90.00	16139	Installers Kit Eagle Line 44	3.00 EA	\$0.00	0.00 %	\$0.00	\$0.00
99.00	Other	Other Charges & Services 45	1.00 EA	\$0.00	0.00 %	\$0.00	\$0.00

Line (45) - Miscellaneous Charge -

Description	Ext. Price
1.) Freight - Full Truck	2,307.00
2.) Installation	10,125.00
3.) Removal & Disposal (x2)	1,657.50

List Price Total:	\$94,322.50	Lines Total:	\$49,024.86
		Line Miscellaneous Charges Total:	\$14,089.50
		Taxes Total:	\$0.00
		Quote Total:	\$63,114.36

Xybix Systems, Inc.
 8207 SouthPark Circle
 Littleton CO 80120
 Phone: 303-683-5656
 Fax: 303-683-5454
 megband



Quote Number: 32009

Quote Date: WS #2.
Revision:
Orig Create Date: 2/9/2023
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Quote

Terms: 50% DEP;40% INSTALL;10% PUNCH

Page: 5 of 5

Line	Part Num	Desc	Qty	U/M	List Ea.	Disc. %	Disc. Price	Net Price
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Note 1:
 All quoted taxes are estimated. Any applicable taxes, fees, permits, etc. must be added to this quote.

Note 2:
 Where installation is listed on quote it is based in non-union labor and on one trip for installation only. Client is responsible for coordination of Technicians and other Vendors/Contractors. Waiting time will be charged at the rate of \$75 per man hour straight time and \$115 per man hour for OT plus subsistence expenses.
 Additionally, this quote is based upon a remodel in an existing space and/or new building - completely finished with a Certificate of Occupancy. Any project where the General Contractor is still on the job is subject to additional charges.

We appreciate this opportunity to provide this quote. Our goal is to substantially improve working conditions for your valuable staff. We look forward to meeting with you to review this proposal in detail. In the meantime please don't hesitate to call us with any questions.



Task Lights

Dim or turn these lights on/off with a touch of the screen. They're an ideal way to provide additional light for your desktop.



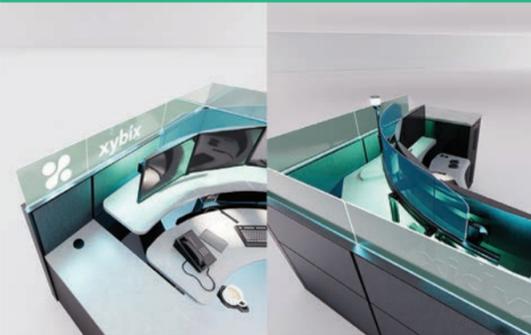
Ambient Lights - Panel Top

Light up the clear acrylic panel tops with the color of your choice. Customize your console with your logo or station ID via laser etching.



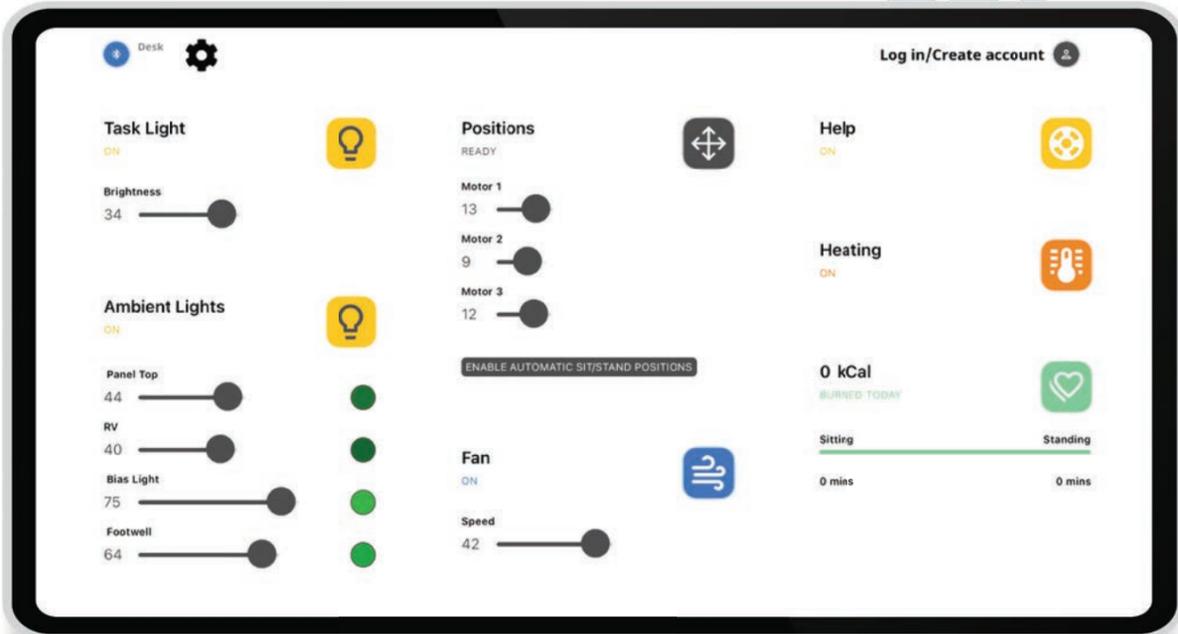
Ambient Lights - Monitor Arc

Light up the top of your monitors with this clear acrylic. The acrylic hides your monitors, provides easy station identification, and allows for custom color configurations.



Ergonomic Console Adjustments

Set it and forget it. With an unlimited number of users, each person can easily program their favorite positions for sitting, standing, or any other need with customizable "scenes." Positions can be recalled instantly via a quick touch, and allow you to change positions throughout your shift.



Ambient Lights - Bias Lighting

Bias lighting provides a glow beneath monitors to ease eye strain. Like all Axys lighting options, the color and intensity can be customized.



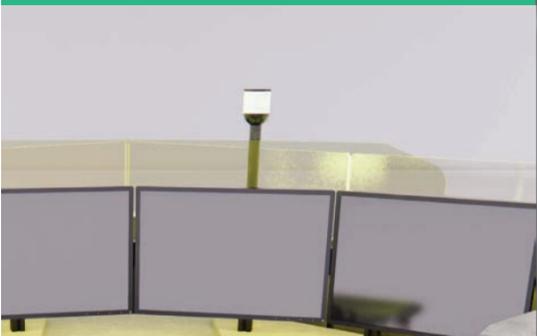
Ambient Lights - Undersurface

Give your workspace a space-age look with accent lighting that shines down into the footwell. Undersurface lighting pairs perfectly with bias lighting.



Help/Status Light

One click on the always present Help tile will toggle the flashing red help light on your workstation.



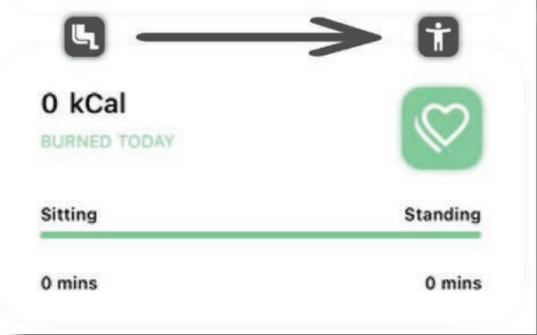
Heating/Cooling

Axys workstations can be equipped with two 250w heaters and a cooling fan to keep your staff comfortable. Heaters can adjust to warm your hands or feet. Fan speeds are fully customizable.



Calorie Counter

Standing burns more calories than sitting. Track the amount of calories you burn each day and set/track your goals via our handy calorie measurement tool.



Axys System Specifications

Voltage: Standard 110 volt power

Amps: 5 amps (with Heater) or 0.85 amps (without Heater)

Heater: Two (2) 250-watt ceramic heaters with vertical rotation for a total of 500 watts and 4.5 amps

Fan: One (1) low-voltage fan with adjustable speed

Lighting: Capacity to control up to five (5) lighting locations with unlimited color or brightness at 9 watts each

Lighting Locations: Task Lighting, Undersurface, Down Bias, Monitor Arc, and Panel Top

Lift Controller: Built-in support for unlimited lifts controlling three (3) lift systems

Profile Settings: Unlimited profiles available per station with unlimited settings per user

Help or Status Light: Priority-driven single tier with unlimited color selection or multi-tier banner light

Display: App-driven software available for desktop computer (Windows) or dedicated tablet / mobile device (iOS or Android)

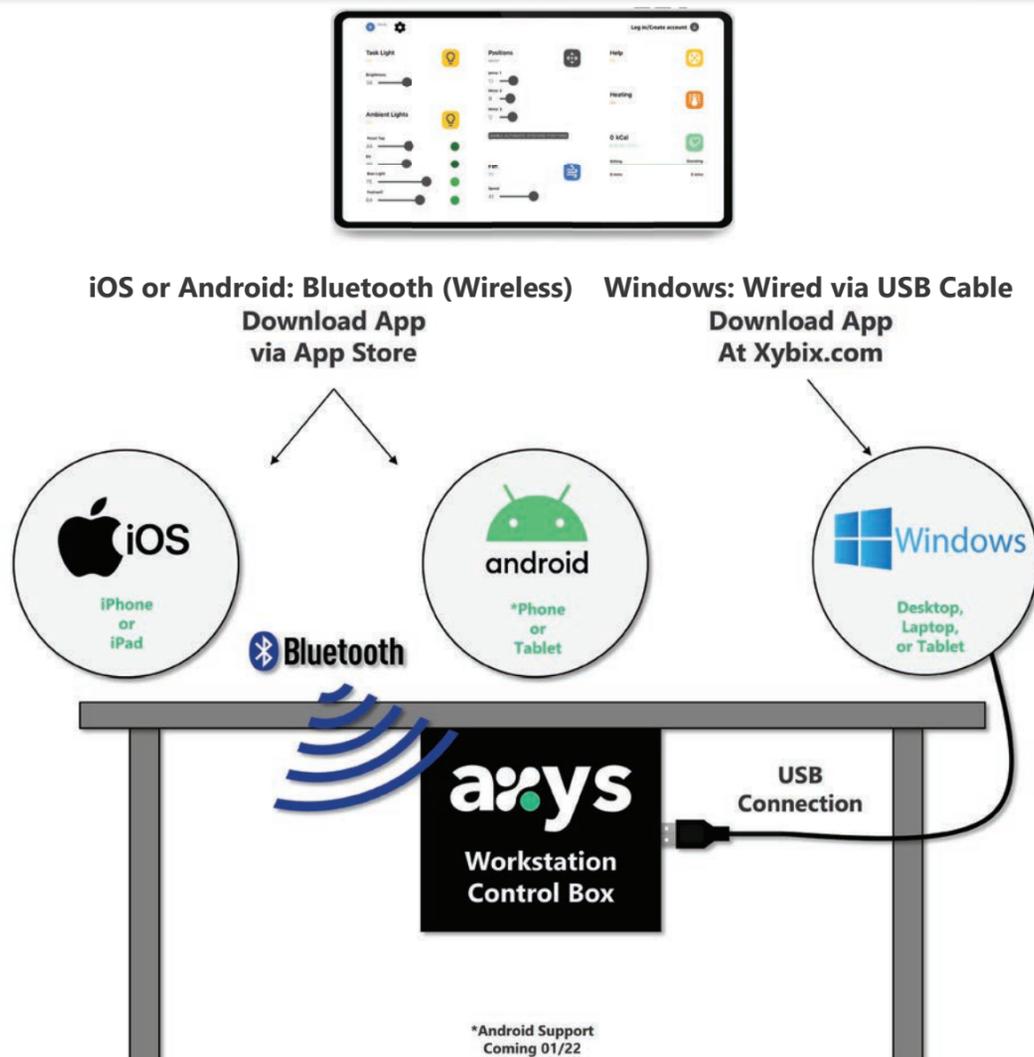
Motion Detection: Motion detection to pause usage after 15 minutes with no movement



Introducing Axys from Xybix. Control every aspect of your workstation from a PC or tablet. Everything from the desk height to a variety of color settings and combinations is only a touch away.

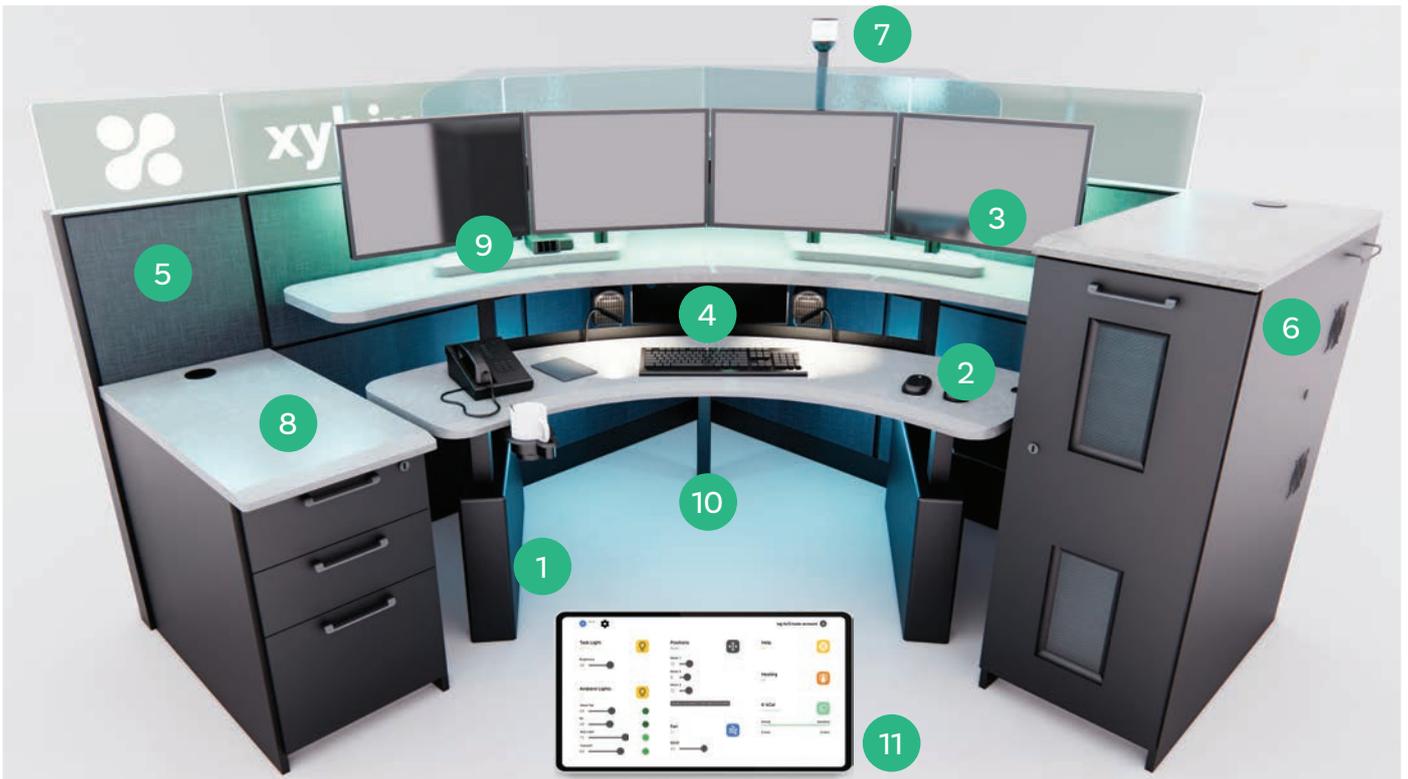
Create your scene to go from one color scheme to another at the press of a button.

Create and save your favorite scenes for quick and easy recall.



Workstations for 911/Dispatch

Height-Adjustable Ergonomic Workstations and Consoles for Public Safety and Mission Critical Operations



1 Workstation Lift System

Ultra quiet, large profile lifting columns allow keyboard and monitor surfaces to lift independently. Precise ergonomic adjustments can be made with these durable electric table legs.



2 Dual Height-Adjustable Work Surfaces

Finding your optimum ergonomic seated or standing position is now easier than ever with a monitor and keyboard surface that have independent height adjustment.



3 Monitor Adjustment & RollerVision™

Proper focal depth adjustment is a key metric in achieving ergonomic health. Move your monitors simultaneously forward and backward to reduce eyestrain.

Workstations for 911/Dispatch



Data Dock

Easily connect keyboards, mice, and other devices without a costly call to IT and the lost productivity associated. Configurable to connect: USB, CAT6, phone and data equipment as well as additional plug-ins.



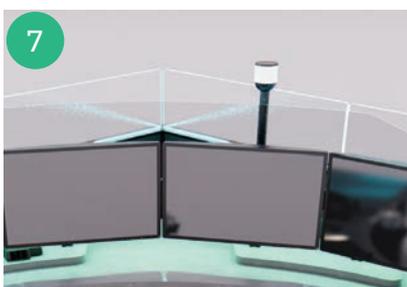
Privacy Panel Systems

Optional acoustical tile panel systems reduce noise pollution and aid in concentration. The panels are a perfect solution for open areas where privacy is required.



Electronic Equipment Storage

Finding space for computers and other equipment is simple with one of our flexible configurations. CPU cabinets and Tech Towers are customized based on your equipment needs.



Status Indicator Light

This multi-colored, configurable light provides managers and users the ability to see the status of team members for better responsiveness and management.



Work Surfaces

Complete the look of your room with a customizable range of optional additional work surfaces for extra workspace, storage and organization.



Personal Climate Control

Control your environment and comfort at your fingertips, using personal climate controls within the Aaxis system. Having complete control over your workspace temperature can lead to a more productive workday.



Cable Management

Proper cable management eliminates clutter and simplifies the appearance of your workstation. End-to-end cable management will rid you of loose connections and a "rat's nest" of cables. Technicians love the easy access, quick changes, and reduced maintenance.



Aaxis Control Center

Control everything from your desk height, to your lighting, to your temperature at the touch of a button. Save your favorite combinations as "scenes," which can be recalled quickly and easily. Aaxis accommodates a variety of users, scenes, and control devices.





MOBERLY POLICE DEPARTMENT

MCC 7500E OPERATOR POSITION ADD-ON

SEPTEMBER 21, 2022

The design, technical, pricing, and other information ("Information") furnished with this submission is proprietary and/or trade secret information of Motorola Solutions, Inc. ("Motorola Solutions") and is submitted with the restriction that it is to be used for evaluation purposes only. To the fullest extent allowed by applicable law, the Information is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the Information without the express written permission of Motorola Solutions.

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Motorola Solutions, Inc.
500 W. Monroe Street, Floors 37-44
Chicago, IL 60661-3781
USA

September 7, 2022

Moberly Police Department
Attn: Chief Troy Link
300 N. Clark St.
Moberly, MO 65270

Subject: IP Dispatch Console Operator Position Addition

Chief Link:

Motorola Solutions, Inc. (Motorola Solutions) appreciates the opportunity to provide quality communication equipment and services to Moberly Police Department. Motorola Solutions' project team has taken great care to propose a solution to address your stated needs and provide exceptional value.

This proposal is subject to the attached Communication System and Services Agreement, including the Maintenance, Support & Lifecycle Management Addendum (the "CSSA"). Moberly Police Department may accept this offer by returning to Motorola Solutions a signed copy of the CSSA. This offer will remain valid for 90 days from the date of this proposal.

We thank you for the opportunity to present our proposed solution and look forward to working with you during the next phase of the procurement process. Should you have any questions, please contact your Motorola Solutions Authorized Reseller, John Briggs, at (573) 424-2257 or by email at john.briggs@wirelessusa.com.

Sincerely,

MOTOROLA SOLUTIONS, INC.

Jeff Stowasser

Area Sales Manager
Government & Public Safety
Motorola Solutions, Inc

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SECTION 1

SYSTEM DESCRIPTION

1.1 MCC 7500E SOLUTION OVERVIEW

Motorola Solutions, Inc. (Motorola Solutions) proposes our MCC 7500E dispatch console to provide Moberly PD with the confidence of state-of-the-art secure communications, seamless IP-based connectivity, flexible system architecture with scalable components, and centralized console management.

Motorola Solutions designs its console to help reduce the total cost of owning an IP-based, feature-rich dispatch system without compromising quality and reliability. The console provides Moberly PD with sophisticated network management and easy migration to future capabilities.

1.2 SUMMARY

The dispatch position at Moberly PD will connect to the backroom equipment via a customer-supplied Ethernet connection between the Moberly PD equipment room and the main dispatch room.

The single dispatch position* at Moberly PD will include:

- One (1) CommandCentral Hub with Client PC
- Advanced Conventional with 30 Radio Resource Licenses
- One (1) 22" touchscreen monitor
- Two (2) Desktop Speakers
- Two (2) Headset jacks, one (1) headset base and one (1) monaural noise-cancelling headset
- One (1) gooseneck microphone
- One (1) footswitch
- Instant Recall Recording (IRR) with 2 speakers
- One (1) tower UPS

*Note that an echo will be experienced between the new MCC7500E and the existing MCC7500s when the same talkgroup is monitored by two different dispatchers in the same room. This is due to a slight audio processing delay between the MCC7500 and the MCC7500E.



1.3 DESIGN/IMPLEMENTATION ASSUMPTIONS

In Motorola has made several assumptions in preparing this budgetary proposal. In order to provide a firm quote, Motorola will need to verify all assumptions or seek alternate solutions in the case of invalid assumptions.

- The existing system is a K2 Core running A7.17.3 or greater.
- Unless specifically stated otherwise herein, this proposal does not address modifications, upgrades, or repairs to any existing equipment; or other building installations or renovations that may be required to prepare the sites for equipment installation.
- All sites and equipment locations will have adequate electrical power and site grounding to support the requirements of the system described, including during the installation, provisioning and/or deployment of the proposed equipment.
- All sites and equipment locations will have sufficient HVAC to support the requirements of the system described, including during the installation, provisioning and/or deployment of the proposed equipment.
- Equipment floor/desktop space are existing or provided by Customer.
- Clear, unencumbered cable raceways/supports are existing or provided by Customer.
- Back-up power (i.e. UPS, Generator) is existing or provided by Customer.
- No new consolettes or antenna systems have been included in this design.
- Ports are available on existing CCGW(s). No new CCGW's are included.

SECTION 2

EQUIPMENT LIST

LIM	O	QTY	NOMENCLATURE	DESCRIPTION
1	-	1	B1948	MCC 7500E DISPATCH POSITION LICENSES
1	a	1	UA00653AA	ADD: BASIC CONSOLE OPERATION
1	b	1	UA00655AA	ADD: ADVANCED CONVENTIONAL OPERATION
1	c	1	UA00250AA	ADD: 30 RADIO RESOURCES LICENSE
1	d	1	UA00661AA	ADD: ENHANCED IRR
2	-	1	B1949	MCC 7500E SOFTWARE DVD
3	-	1	DSEV221B	TECH GLOBAL EVOLUTION SERIES 22INCH WITH TOUCH
4	-	1	B1956	COMMANDCENTRAL HUB, W/CLIENT PC
4	a	1	CA03553AA	ADD: AC LINE CORD, NORTH AMERICA
4	b	1	CA03547AA	ADD: BRACKET, MOUNTING 2RU
4	c	1	CA03572AA	ADD: CABLE RETENTION BRACKET
4	d	1	CA03850AA	Microsoft Windows OS for MCC 7500E
5	-	1	L3225A	CERTIFIED KEYBOARD FOR RSD SERVERS AND WORKSTATIONS
6	-	1	L3226A	CERTIFIED OPTICAL WHEEL MOUSE FOR RSD SERVERS AND WORKSTATIONS
7	-	2	B1952	SPEAKER, DESKTOP, USB
7	a	2	CA03405AA	ADD: POWER SUPPLY WITH DC CORD
7	b	2	CA03406AA	ADD: AC LINE CORD, NORTH AMERICA
7	c	2	CA03413AA	ADD: USB CABLE, TYPE A TO TYPE C, 4.5M
8	-	1	DSLOGITECHZ130	LOGITECH Z130 SPEAKERS
9	-	1	B1951	MICROPHONE, DESKTOP, USB
9	a	1	CA03413AA	ADD: USB CABLE, TYPE A TO TYPE C, 4.5M
10	-	2	B1913	MCC SERIES HEADSET JACK
11	-	1	RLN6098	HDST MODULE BASE W/PTT, 15 FT CBL
12	-	1	RMN5150A	OVER-THE-HEAD, MONAURAL, NOISE-CANCELING HEADSET
13	-	1	DSTWIN6328A	PROVIDES ONE DUAL PEDAL FOOTSWITCH
14	-	1	T8742	MCAFFEE FOR WINDOWS CLIENT, A2019.2
15	-	1	T8806A	WINDOWS SUPP TRANS CONFIG, A2020.1/A2021.1
16	-	1	DSF2B56AA	USB EXTERNAL DVD DRIVE
17	-	1	DSGXTT0750N008	UPS, GXT5 TOWER 750VA/750W, 120V, 8.5 MIN RUNTIME, SOFTWIRED



SECTION 3

IMPLEMENTATION PLAN

This section, known as the Statement of Work (SOW), describes the deliverables to be furnished to Moberly P.D. and the tasks to be performed by Motorola, its subcontractors, and Moberly P.D. (“Customer”) to implement the solution described in this proposal. It describes the actual work involved in installation and clarifies the responsibilities for both Motorola and Customer during the project implementation.

3.1 SITE READINESS SURVEY

Prior to starting any site equipment installations, Motorola and Customer shall conduct a site readiness review at each job site to examine existing work, work performed by others, or work not included in this SOW, that is required to support the new equipment. The site readiness review documents any conditions that will prevent start of site upgrade or equipment installation work to be performed by Motorola and its subcontractors. Issues will be noted and responsible party(ies) must correct their deficiencies prior to system installation. Additional walks may be needed to confirm deficiencies have been properly corrected. The following table describes the tasks and assignments involved with installation and configuration of the provided solution.

3.2 KICKOFF/DETAILED DESIGN REVIEW

Shortly after executed contract, Motorola and Customer shall schedule a detailed design review at Customer provided meeting location. Motorola shall present in detail all documents and services described to support this solution. Any mutually agreed changes to the originally contracted design shall be captured via change order. Motorola will be responsible for updating applicable documents, pricing, etc. as required for final Customer approval. The design shall be final or ‘locked down’ when both parties sign a Detailed Design Review milestone completion certificate to be drafted and presented by Motorola. Once signed by both parties any subsequent changes shall be captured again via the change order process as described below.

3.3 CHANGE ORDERS

Change orders can be initiated by either Party and within the general scope of the awarded contract agreement. If a requested change causes an increase or decrease in the cost or time required to perform this Agreement, the Parties will agree to an equitable adjustment of the Contract Price, Implementation schedule, or both, and will reflect the adjustment in a change order. Neither Party is obligated to perform requested changes unless both Parties execute a written, jointly signed change order.

3.4 MOTOROLA RESPONSIBILITIES



Motorola's general responsibilities include the following:

- Procure and/or manufacture Motorola provided equipment and ship to Customer provided local address.
- Schedule implementation in agreement with the Customer.
- Provide and install two (2) CAT5 runs from operator position to backroom equipment.
- Provide and install ground buss bar and ground conductor for new console.
- Remove the existing decommissioned console equipment per agreed to cutover plan.
 - Note: Equipment to be moved to be left on location for Customer disposal.
- Pick-up, deliver, and install Motorola provided equipment in Customer provided equipment room and tower space.
- Properly install and ground all new equipment to existing site ground system.
- Plug new equipment and UPS to Customer provided electrical outlets/UPS.
- Prepare equipment for final acceptance testing with Customer.
- Perform Final Acceptance Testing (ATP) with Customer to confirm new equipment operates as designed.
 - All test must pass for ATP to be considered final.
- Provide Customer with final documentation of the newly installed equipment.
- Review with Customer equipment necessary for transitioning to warranty support. Support Plan is described in section 5.

3.5 CUSTOMER RESPONSIBILITIES

- Provide a dedicated delivery point, such as a warehouse, for receipt, inventory and storage of equipment prior to delivery to the site(s).
- Provide adequate equipment floor/desktop space for new equipment.
- Provide adequate cable trays, unencumbered pathways from console location to backroom network equipment.
- Ensure communication site meets equipment space, grounding, power, lightning/power protection, and backhaul connectivity requirements for the installation of all new equipment.
- Provide any required wall penetrations, cable trays, and ice bridges.
- Coordinate the activities of all Customer vendors or other contractors necessary to support installation of the new console equipment.
- See Section 1.3 for additional responsibilities.

3.6 ACCEPTANCE TEST PLAN

System Acceptance of the proposed solution will occur upon successful completion of a Functional Acceptance Test Plan (FATP), which will test the features, functions, and failure modes for the installed equipment in order to verify that the solution operates according to its design. This plan will validate that the Customer's solution will operate according to its design, and increase the efficiency and accuracy of the final installation activities. A detailed FATP will be developed and finalized during project implementation.

3.7 FINAL ACCEPTANCE

Final Acceptance will occur upon successful completion of the mutually agreed to Acceptance Test Plan. Upon Final Acceptance, Motorola and Customer will memorialize this event by promptly executing a System Acceptance Certificate that is included in the Contract. See Contract for additional terms that apply to Final Acceptance.

SECTION 4

SUPPORT PLAN

4.1 SUMMARY - WARRANTY

Motorola Solutions has over 85 years of experience supporting Mission–Critical communications for public safety and public service agencies. Motorola Solution’s technical and service professionals use a structured approach to life cycle service delivery and provide comprehensive maintenance and support throughout the life of the system. The value of support is measured by system availability, which is optimized through the use of proactive processes, such as preventive maintenance, fault monitoring and active response management. System availability is a function of having in place a support plan delivered by highly skilled support professionals, backed by proven processes, tools, and continuous training.

MOTOROLA 1st YEAR WARRANTY SUPPORT

Motorola’s standard commercial warranty covers on-site response during normal business hours and provides for the repair or replacement of defective hardware components.

In addition, Motorola provides a customized support package to meet your new equipment support needs. Motorola will provide Essential Plus support services aligning with your current agreement as an extension of our standard commercial warranty support.

4.2 EXTENDED MAINTENANCE AND LIFECYCLE SUPPORT SERVICES (POST WARRANTY)

As Motorola Solution’s continuing commitment to supporting your new Console equipment after 1st year warranty expires, Motorola will continue providing Essential Plus with System Upgrade Agreement II for the new console. Motorola Solutions has provided 6 years of annual post warranty pricing for these services. See Price Page.



SECTION 5

PRICING SUMMARY

Console Solution with System Integration and 1 st Year Warranty Support Services	\$74,576.17
State Contract Equipment Discount	(\$5,135.50)
Solution Total	\$69,440.67

Post Warranty Maintenance and Lifecycle Support				
Year 2	Year 3	Year 4	Year 5	4 Yr. Total
\$3,709.60	\$3,844.00	\$3,983.77	\$4,129.22	\$15,666.60

SECTION 6

CONTRACTUAL DOCUMENTATION



Communications System and Services Agreement

Motorola Solutions, Inc. (“Motorola”) and _____ (“Customer”) enter into this “Agreement,” pursuant to which Customer will purchase and Motorola will sell the System and Services, as described below. Motorola and Customer may be referred to individually as a “Party” and collectively as the “Parties.” For good and valuable consideration, the Parties agree as follows:

Section 1 ATTACHMENTS

1.1. EXHIBITS. The Exhibits listed below are exhibits related to the System sale and implementation. These Exhibits are incorporated into and made a part of this Agreement.

Exhibit A “Motorola Software License Agreement”

Exhibit B “Payment”

Exhibit C Technical and Implementation Documents

C-1 “System Description” dated September 7, 2022

C-2 “Pricing Summary & Equipment List” dated September 7, 2022

C-3 “Implementation Statement of Work” dated September 7, 2022

C-4 “Acceptance Test Plan” or “ATP” dated TBD

C-5 “Performance Schedule” dated TBD

Exhibit D “System Acceptance Certificate”

1.2. ADDENDUM (ADDENDA). Customer may elect to purchase professional or subscription services in addition to the System and related services. Any such services will be governed by the terms in the main body of the Agreement and an applicable Addendum containing terms specific to such service. Such Addenda will be labeled with the name of the service being purchased.

1.3 ORDER OF PRECEDENCE. In interpreting this Agreement and resolving any ambiguities: 1) the main body of this Agreement takes precedence over the exhibits (unless otherwise specified in an exhibit), and any inconsistency between Exhibits A through D will be resolved in their listed order, and 2) The applicable service Addendum will take precedence over the main body of the Agreement and the Exhibits.

Section 2 DEFINITIONS

Capitalized terms used in this Agreement have the following meanings:

“**Acceptance Tests**” means those tests described in the Acceptance Test Plan.

“**Addendum (Addenda)**” is the title of the document(s) containing a specific set of terms and conditions applicable to a particular service or other offering beyond the Communication System and System implementation services. The terms in the Addendum are applicable only to the specific service or offering described therein.

“**Administrative User Credentials**” means an account that has total access over the operating system, files, end user accounts and passwords at either the System level or box level. Customer’s personnel with access to the Administrative User Credentials may be referred to as the Administrative User.

“**Beneficial Use**” means when Customer first uses the System or a Subsystem for operational purposes (excluding training or testing).

“**Confidential Information**” means all information consistent with the fulfillment of this Agreement that is (i) disclosed under this Agreement in oral, written, graphic, machine recognizable, and/or sample form, being clearly designated, labeled or marked as confidential or its equivalent or (ii) obtained by examination, testing or analysis of any hardware, software or any component part thereof provided by discloser to

recipient. The nature and existence of this Agreement are considered Confidential Information. Confidential Information that is disclosed orally must be identified as confidential at the time of disclosure and confirmed by the discloser by submitting a written document to the recipient within thirty (30) days after such disclosure. The written document must contain a summary of the Confidential Information disclosed with enough specificity for identification purpose and must be labeled or marked as confidential or its equivalent.

“Contract Price” means the price for the System and implementation Services, excluding applicable sales or similar taxes and freight charges. Further, unless otherwise stated in Exhibit B, “Payment” or the pricing pages of the proposal, recurring fees for maintenance, SUA, or subscription services are not included in the Contract Price.

“Deliverables” means all written information (such as reports, specifications, designs, plans, drawings, analytics, Solution Data, or other technical or business information) that Motorola prepares for Customer in the performance of the Services and is obligated to provide to Customer under this Agreement. The Deliverables, if any, are more fully described in the Statement of Work.

“Derivative Proprietary Materials” means derivatives of the Proprietary Materials that Motorola may from time to time, including during the course of providing the Services, develop and/or use and/or to which Motorola provides Customer access.

“Effective Date” means that date upon which the last Party executes this Agreement.

“Equipment” means the hardware components of the Solution that Customer purchases from Motorola under this Agreement. Equipment that is part of the System is described in the Equipment List.

“Feedback” means comments or information, in oral or written form, given to Motorola by Customer in connection with or relating to Equipment or Services, during the term of this Agreement.

“Force Majeure” means an event, circumstance, or act that is beyond a Party’s reasonable control, such as an act of God, an act of the public enemy, an act of a government entity, strikes, other labor disturbances, supplier performance, hurricanes, earthquakes, fires, floods, epidemics, embargoes, war, riots, or any other similar cause.

“Motorola Software” means software that Motorola or its affiliated companies owns.

“Non-Motorola Software” means software that a party other than Motorola or its affiliated companies owns.

“Open Source Software” (also called “freeware” or “shareware”) means software with either freely obtainable source code, license for modification, or permission for free distribution.

“Proprietary Materials” means certain software tools and/or other technical materials, including, but not limited to, data, modules, components, designs, utilities, subsets, objects, program listings, models, methodologies, programs, systems, analysis frameworks, leading practices and specifications which Motorola has developed prior to, or independently from, the provision of the Services and/or which Motorola licenses from third parties.

“Proprietary Rights” means the patents, patent applications, inventions, copyrights, trade secrets, trademarks, trade names, mask works, know-how, and other intellectual property rights in and to the Equipment and Software, including those created or produced by Motorola under this Agreement and any corrections, bug fixes, enhancements, updates or modifications to or derivative works from the Software whether made by Motorola or another party.

“Services” means system implementation, maintenance, support, subscription, or other professional services provided under this Agreement, which may be further described in the applicable Addendum

and/or SOW.

“Software” (i) means proprietary software in object code format, and adaptations, translations, de-compilations, disassemblies, emulations, or derivative works of such software; (ii) means any modifications, enhancements, new versions and new releases of the software provided by Motorola; and (iii) may contain one or more items of software owned by a third party supplier. The term "Software" does not include any third party software provided under separate license or third party software not licensable under the terms of this Agreement.

“Software License Agreement” means the Motorola Software License Agreement (Exhibit A).

“Software Support Policy” (“SwSP”) means the policy set forth at https://www.motorolasolutions.com/content/dam/msi/secure/services/software_policy.pdf describing the specific technical support that will be provided to Customers under the Warranty Period and during any paid maintenance support period for Motorola Software. This policy may be modified from time to time at Motorola’s discretion.

“Solution” means the combination of the System(s) and Services provided by Motorola under this Agreement.

“Solution Data” means Customer data that is transformed, altered, processed, aggregated, correlated or operated on by Motorola, its vendors or other data sources and data that has been manipulated or retrieved using Motorola know-how to produce value-added content to data consumers, including customers or citizens which is made available to Customer with the Solution and Services.

“Specifications” means the functionality and performance requirements that are described in the Technical and Implementation Documents.

“SUA” or “SUA II” means Motorola’s Software Upgrade Agreement program.

“Subsystem” means a major part of the System that performs specific functions or operations. Subsystems are described in the Technical and Implementation Documents.

“System” means the Equipment, including incidental hardware and materials, Software, and design, installation and implementation services that are combined together into an integrated system; the System(s) is (are) described in the Technical and Implementation Documents.

“System Acceptance” means the Acceptance Tests have been successfully completed.

“System Data” means data created by, in connection with or in relation to Equipment or the performance of Services under this Agreement.

“Warranty Period” for System Hardware, Software, or services related to system implementation means one (1) year from the date of System Acceptance or Beneficial Use, whichever occurs first. Unless otherwise stated in the applicable Addendum, Warranty Period for other Services means ninety (90) days from performance of the Service.

Section 3 SCOPE OF AGREEMENT AND TERM

3.1. **SCOPE OF WORK.** Motorola will provide, install and test the System(s), and perform its other contractual responsibilities to provide the Solution, all in accordance with this Agreement. Customer will perform its contractual responsibilities in accordance with this Agreement.

3.2. **CHANGE ORDERS.** Either Party may request changes within the general scope of this Agreement. If a requested change causes an increase or decrease in the cost or time required to perform

this Agreement, the Parties will agree to an equitable adjustment of the Contract Price or applicable subscription fees, Performance Schedule, or both, and will reflect the adjustment in a change order or Addendum. Neither Party is obligated to perform requested changes unless both Parties execute a written change order.

3.3. **TERM.** Unless terminated in accordance with other provisions of this Agreement or extended by mutual agreement of the Parties, the term of this Agreement begins on the Effective Date and continues until the date of Final Project Acceptance or expiration of the Warranty Period, or completion of the Services, whichever occurs last. The term and the effective date of recurring Services will be set forth in the applicable Addendum.

3.4. **ADDITIONAL EQUIPMENT OR SOFTWARE.** For three (3) years after the expiration date of the Agreement, Customer may order additional Equipment or Software, if it is then available. Each purchase order must refer to this Agreement, the expiration date of the Agreement, and must specify the pricing and delivery terms. The Parties agree that, notwithstanding expiration of the Agreement, the applicable provisions of this Agreement (except for pricing, delivery, passage of title and risk of loss to Equipment, warranty commencement, and payment terms) will govern the purchase and sale of the additional Equipment or Software. Additional or contrary terms in the purchase order will be inapplicable, unless signed by both parties. Title and risk of loss to additional Equipment will pass at shipment, warranty will commence upon delivery, and payment is due within thirty (30) days after the invoice date. Motorola will send Customer an invoice as the additional Equipment is shipped or Software is licensed. Alternatively, Customer may register with and place orders through Motorola Online ("MOL"), and this Agreement will be the "Underlying Agreement" for those MOL transactions rather than the MOL On-Line Terms and Conditions of Sale. MOL registration and other information may be found at <https://businessonline.motorolasolutions.com> and the MOL telephone number is (800) 814-0601.

3.5. **MOTOROLA SOFTWARE.** Any Motorola Software, including subsequent releases, is licensed to Customer solely in accordance with the Software License Agreement. Customer hereby accepts and agrees to abide by all of the terms and restrictions of the Software License Agreement.

3.6. **NON-MOTOROLA SOFTWARE.** Any Non-Motorola Software is licensed to Customer in accordance with the standard license, terms, and restrictions of the copyright owner on the Effective Date unless the copyright owner has granted to Motorola the right to sublicense the Non-Motorola Software pursuant to the Software License Agreement, in which case it applies and the copyright owner will have all of Licensor's rights and protections under the Software License Agreement. Motorola makes no representations or warranties of any kind regarding Non-Motorola Software. Non-Motorola Software may include Open Source Software.

3.7. **SUBSTITUTIONS.** At no additional cost to Customer, Motorola may substitute any Equipment, Software, or services to be provided by Motorola, if the substitute meets or exceeds the Specifications and is of equivalent or better quality to the Customer. Any substitution will be reflected in a change order.

3.8. **OPTIONAL EQUIPMENT OR SOFTWARE.** This paragraph applies only if a "Priced Options" exhibit is shown in Section 1, or if the parties amend this Agreement to add a Priced Options exhibit. During the term of the option as stated in the Priced Options exhibit (or if no term is stated, then for one (1) year after the Effective Date), Customer has the right and option to purchase the equipment, software, and related services that are described in the Priced Options exhibit. Customer may exercise this option by giving written notice to Seller which must designate what equipment, software, and related services Customer is selecting (including quantities, if applicable). To the extent they apply, the terms and conditions of this Agreement will govern the transaction; however, the parties acknowledge that certain provisions must be agreed upon, and they agree to negotiate those in good faith promptly after Customer delivers the option exercise notice. Examples of provisions that may need to be negotiated are: specific lists of deliverables, statements of work, acceptance test plans, delivery and implementation schedules, payment terms, maintenance and support provisions, additions to or modifications of the Software License Agreement, hosting terms, and modifications to the acceptance and warranty provisions.

Section 4 SERVICES

4.1. If Customer desires and Motorola agrees to continue Services beyond the Term, Customer's issuance and Motorola's acceptance of a purchase order for Services will serve as an automatic extension of the Agreement for purposes of the continuing Services. Only the terms and conditions applicable to the performance of Services will apply to the extended Agreement.

4.2. During the Warranty Period, in addition to warranty services, Motorola will provide maintenance Services for the Equipment and support for the Motorola Software pursuant to the applicable maintenance and support Statements of Work. Support for the Motorola Software will be in accordance with Motorola's established Software Support Policy. Copies of the SwSP can be found at https://www.motorolasolutions.com/content/dam/msi/secure/services/software_policy.pdf and will be sent by mail, email or fax to Customer upon written request. Maintenance Services and support during the Warranty Period are included in the Contract Price. Unless already included in the Contract Price, if Customer wishes to purchase 1) additional maintenance or software support services during the Warranty Period; or 2) continue or expand maintenance, software support, installation, and/or SUA services after the Warranty Period, Motorola will provide the description of and pricing for such services in a separate proposal document. Unless otherwise agreed by the parties in writing, the terms and conditions in this Agreement applicable to maintenance, support, installation, and/or SUA Services, will be included in the Maintenance and Support Addendum, SUA Addendum, the applicable Statements of Work, and the proposal, (if applicable). These collective terms will govern the provision of such Services.

To obtain any such additional Services, Customer will issue a purchase order referring to this Agreement and the separate proposal document. Omission of reference to this Agreement in Customer's purchase order will not affect the applicability of this Agreement. Motorola's proposal may include a cover page entitled "Service Agreement" or "Installation Agreement", as applicable, and other attachments. These cover pages and other attachments are incorporated into this Agreement by this reference

4.3. PROFESSIONAL AND SUBSCRIPTION SERVICES. If Customer purchases professional or subscription Services as part of the Solution, additional or different terms specific to such Service will be included in the applicable Addendum and will apply to those Services. Customer may purchase additional professional or subscription services by issuing a purchase order referencing this Agreement and Motorola's proposal for such additional services.

4.4. Any information in the form of specifications, drawings, reprints, technical information or otherwise furnished to Customer in providing Services under this Agreement or Motorola data viewed, accessed, will remain Motorola's property, will be deemed proprietary, Confidential Information. This Confidential Information will be promptly returned at Motorola's request.

4.5. TOOLS. All tools, equipment, dies, gauges, models, drawings or other materials paid for or furnished by Motorola for the purpose of providing Services under this Agreement will be and remain the sole property of Motorola. Customer will safeguard all such property while it is in Customer's custody or control, be liable for any loss or damage to this property, and return it to Motorola upon request. This property will be held by Customer for Motorola's use without charge and may be removed from Customer's premises by Motorola at any time without restriction. Upon termination of the contract for any reason, Customer shall return to Motorola all equipment delivered to Customer.

4.6. COVENANT NOT TO EMPLOY. During the term of this Agreement and continuing for a period of two (2) years thereafter, Customer will not hire, engage on contract, solicit the employment of, or recommend employment to any third party of any employee of Motorola or its subcontractors without the prior written authorization of Motorola. This provision applies only to those employees of Motorola or its subcontractors who are responsible for rendering Services under this Agreement. If this provision is found to be overly broad under applicable law, it will be modified as necessary to conform to applicable law.

4.7. **CUSTOMER OBLIGATIONS.** If the applicable Statement of Work or Addendum contains assumptions that affect the Services or Deliverables, Customer will verify that they are accurate and complete. Any information that Customer provides to Motorola concerning the Services or Deliverables will be accurate and complete in all material respects. Customer will make timely decisions and obtain any required management approvals that are reasonably necessary for Motorola to perform the Services and its other duties under this Agreement. Unless the Statement of Work states the contrary, Motorola may rely upon and is not required to evaluate, confirm, reject, modify, or provide advice concerning any assumptions and Customer-provided information, decisions and approvals described in this paragraph.

4.8. **ASSUMPTIONS.** If any assumptions or conditions contained in this Agreement, applicable Addenda or Statements of Work prove to be incorrect or if Customer's obligations are not performed, Motorola's ability to perform under this Agreement may be impacted and changes to the Contract Price, subscription fees, project schedule, Deliverables, or other changes may be necessary.

4.9. **NON-PRECLUSION.** If, as a result of the Services performed under this Agreement, Motorola recommends that Customer purchase products or other services, nothing in this Agreement precludes Motorola from participating in a future competitive bidding process or otherwise offering or selling the recommended products or other services to Customer. Customer represents that this paragraph does not violate its procurement or other laws, regulations, or policies.

4.10. **PROPRIETARY MATERIALS.** Customer acknowledges that Motorola may use and/or provide Customer with access to Proprietary Materials and Derivative Proprietary Materials. The Proprietary Materials and the Derivative Proprietary Materials are the sole and exclusive property of Motorola and Motorola retains all right, title and interest in and to the Proprietary Materials and Derivative Proprietary Materials.

4.11. **ADDITIONAL SERVICES.** Any services performed by Motorola outside the scope of this Agreement at the direction of Customer will be considered to be additional Services which are subject to additional charges. Any agreement to perform additional Services will be reflected in a written and executed change order, Addendum or amendment to this Agreement.

Section 5 PERFORMANCE SCHEDULE

The Parties will perform their respective responsibilities in accordance with the Performance Schedule. By executing this Agreement, Customer authorizes Motorola to proceed with contract performance.

Section 6 CONTRACT PRICE, PAYMENT AND INVOICING

6.1. Customer affirms that a purchase order or notice to proceed is not required for contract performance or for subsequent years of service, if any, and that sufficient funds have been appropriated in accordance with applicable law. The Customer will pay all invoices as received from Motorola and any changes in scope will be subject to the change order process as described in this Agreement. At the time of execution of this Agreement, the Customer will provide all necessary reference information to include on invoices for payment in accordance with this Agreement.

6.2. **CONTRACT PRICE.** The Contract Price in U.S. dollars is \$_____. If applicable, a pricing summary is included with the Payment schedule in Exhibit B. Motorola has priced the Services, Software, and Equipment as an integrated System. A change in Software or Equipment quantities, or Services, may affect the overall Contract Price, including discounts if applicable. Fees for professional, SUA, and/or subscription services which are not included in the Contract Price may be listed in Exhibit B, the pricing pages of the proposal, or the applicable Addendum.

6.3. **INVOICING AND PAYMENT.** Motorola will submit invoices to Customer according to the Payment

schedule in Exhibit B. Invoices will be mailed or emailed to Customer pursuant to Section 6.5, Invoicing and Shipping Addresses. Except for a payment that is due on the Effective Date, Customer will make payments to Motorola within thirty (30) days after the date of each invoice. Customer will make payments when due in the form of a wire transfer, check, or cashier's check from a U.S. financial institution. Overdue invoices will bear simple interest at the maximum allowable rate. For reference, the Federal Tax Identification Number for Motorola is 36-1115800.

6.4. FREIGHT, TITLE, AND RISK OF LOSS. Motorola will pre-pay and add all freight charges to the invoices. Title and risk of loss to the Equipment will pass to Customer upon shipment. Title to Software will not pass to Customer at any time. Motorola will pack and ship all Equipment in accordance with good commercial practices.

6.5. INVOICING AND SHIPPING ADDRESSES. Invoices will be sent to the Customer at the following address:
 Name: _____
 Address: _____
 Phone: _____

E-INVOICE. To receive invoices via email:
 Customer Account Number: _____
 Customer Accounts Payable Email: _____
 Customer CC(optional) Email: _____

The address which is the ultimate destination where the Equipment will be delivered to Customer is:
 Name: _____
 Address: _____

The Equipment will be shipped to the Customer at the following address (insert if this information is known):
 Name: _____
 Address: _____
 Phone: _____

Customer may change this information by giving written notice to Motorola.

Section 7 SITES AND SITE CONDITIONS

7.1. ACCESS TO SITES. In addition to its responsibilities described elsewhere in this Agreement, Customer will provide a designated project manager; all necessary construction and building permits, zoning variances, licenses, and any other approvals that are necessary to develop or use the sites and mounting locations; and access to the worksites or vehicles identified in the Technical and Implementation Documents as reasonably requested by Motorola so that it may perform its duties in accordance with the Performance Schedule and Statement of Work. If the Statement of Work so indicates, Motorola may assist Customer in the local building permit process.

7.2. SITE CONDITIONS. Customer will ensure that all work sites it provides will be safe, secure, and in compliance with all applicable industry and OSHA standards. To the extent applicable and unless the Statement of Work states to the contrary, Customer will ensure that these work sites have adequate: physical space; air conditioning and other environmental conditions; adequate and appropriate electrical power outlets, distribution, equipment and connections; and adequate telephone or other communication lines (including modem access and adequate interfacing networking capabilities), all for the installation, use and maintenance of the System. Before installing the Equipment or Software at a work site, Motorola may inspect the work site and advise Customer of any apparent deficiencies or non-conformities with the requirements of this Section. This Agreement is predicated upon normal soil conditions as defined by the version of E.I.A. standard RS-222 in effect on the Effective Date.

7.3. **SITE ISSUES.** If a Party determines that the sites identified in the Technical and Implementation Documents are no longer available or desired, or if subsurface, structural, adverse environmental or latent conditions at any site differ from those indicated in the Technical and Implementation Documents, the Parties will promptly investigate the conditions and will select replacement sites or adjust the installation plans and specifications as necessary. If change in sites or adjustment to the installation plans and specifications causes a change in the cost or time to perform, the Parties will equitably amend the Contract Price, Performance Schedule, or both, by a change order.

Section 8 TRAINING

Any training to be provided by Motorola to Customer will be described in the applicable Statement of Work. Customer will notify Motorola immediately if a date change for a scheduled training program is required. If Motorola incurs additional costs because Customer reschedules a training program less than thirty (30) days before its scheduled start date, Motorola may recover these additional costs.

Section 9 SYSTEM ACCEPTANCE

9.1. **COMMENCEMENT OF ACCEPTANCE TESTING.** Motorola will provide to Customer at least ten (10) days notice before the Acceptance Tests commence. System testing will occur only in accordance with the Acceptance Test Plan.

9.2. **SYSTEM ACCEPTANCE.** System Acceptance will occur upon successful completion of the Acceptance Tests. Upon System Acceptance, the Parties will memorialize this event by promptly executing a System Acceptance Certificate. If the Acceptance Test Plan includes separate tests for individual Subsystems or phases of the System, acceptance of the individual Subsystem or phase will occur upon the successful completion of the Acceptance Tests for the Subsystem or phase, and the Parties will promptly execute an acceptance certificate for the Subsystem or phase. If Customer believes the System has failed the completed Acceptance Tests, Customer will provide to Motorola a written notice that includes the specific details of the failure. If Customer does not provide to Motorola a failure notice within thirty (30) days after completion of the Acceptance Tests, System Acceptance will be deemed to have occurred as of the completion of the Acceptance Tests. Minor omissions or variances in the System that do not materially impair the operation of the System as a whole will not postpone System Acceptance or Subsystem acceptance, but will be corrected according to a mutually agreed schedule.

9.3. **BENEFICIAL USE.** Customer acknowledges that Motorola's ability to perform its implementation and testing responsibilities may be impeded if Customer begins using the System before System Acceptance. Therefore, Customer will not commence Beneficial Use before System Acceptance without Motorola's prior written authorization, which will not be unreasonably withheld. Motorola is not responsible for System performance deficiencies that occur during unauthorized Beneficial Use. Upon commencement of Beneficial Use, Customer assumes responsibility for the use and operation of the System.

9.4. **FINAL PROJECT ACCEPTANCE.** Final Project Acceptance will occur after System Acceptance when all deliverables and other work have been completed. When Final Project Acceptance occurs, the parties will promptly memorialize this final event by so indicating on the System Acceptance Certificate.

Section 10 REPRESENTATIONS AND WARRANTIES

10.1. **SYSTEM FUNCTIONALITY.** Motorola represents that the System will perform in accordance with the Specifications in all material respects. Upon System Acceptance or Beneficial Use, whichever occurs first, this System functionality representation is fulfilled. Motorola is not responsible for System performance deficiencies that are caused by ancillary equipment not furnished by Motorola which is attached to or used in connection with the System or for reasons or parties beyond Motorola's control, such as natural causes; the construction of a building that adversely affects the microwave path reliability or radio frequency (RF) coverage; the addition of frequencies at System sites that cause RF interference or intermodulation; or Customer changes to load usage or configuration outside the Specifications.

10.2. **EQUIPMENT WARRANTY.** During the Warranty Period, Motorola warrants that the Equipment under normal use and service will be free from material defects in materials and workmanship. If System Acceptance is delayed beyond six (6) months after shipment of the Equipment by events or causes beyond Motorola's control, this warranty expires eighteen (18) months after the shipment of the Equipment.

10.3. **SOFTWARE WARRANTY.** Except as described in the SwSP and unless otherwise stated in the Software License Agreement, during the Warranty Period, Motorola warrants the Software in accordance with the warranty terms set forth in the Software License Agreement and the provisions of this Section that are applicable to the Software. If System Acceptance is delayed beyond six (6) months after shipment of the Motorola Software by events or causes beyond Motorola's control, this warranty expires eighteen (18) months after the shipment of the Motorola Software. **Nothing in this Warranty provision is intended to conflict or modify the Software Support Policy. In the event of an ambiguity or conflict between the Software Warranty and Software Support Policy, the Software Support Policy governs.**

10.4. **EXCLUSIONS TO EQUIPMENT AND SOFTWARE WARRANTIES.** These warranties do not apply to: (i) defects or damage resulting from: use of the Equipment or Software in other than its normal, customary, and authorized manner; accident, liquids, neglect, or acts of God; testing, maintenance, disassembly, repair, installation, alteration, modification, or adjustment not provided or authorized in writing by Motorola; Customer's failure to comply with all applicable industry and OSHA standards; (ii) breakage of or damage to antennas unless caused directly by defects in material or workmanship; (iii) Equipment that has had the serial number removed or made illegible; (iv) batteries (because they carry their own separate limited warranty) or consumables; (v) freight costs to ship Equipment to the repair depot; (vi) scratches or other cosmetic damage to Equipment surfaces that does not affect the operation of the Equipment; and (vii) normal or customary wear and tear.

10.5. **SERVICE WARRANTY.** During the Warranty Period, Motorola warrants that the Services will be provided in a good and workmanlike manner and will conform in all material respects to the applicable Statement of Work. Services will be free of defects in materials and workmanship for a period of ninety (90) days from the date the performance of the Services are completed. Customer acknowledges that the Deliverables may contain recommendations, suggestions or advice from Motorola to Customer (collectively, "recommendations"). Motorola makes no warranties concerning those recommendations, and Customer alone accepts responsibility for choosing whether and how to implement the recommendations and the results to be realized from implementing them.

10.6. **WARRANTY CLAIMS.** To assert a warranty claim, Customer must notify Motorola in writing of the claim before the expiration of the Warranty Period. Upon receipt of this notice, Motorola will investigate the warranty claim. If this investigation confirms a valid Equipment or Software warranty claim, Motorola will (at its option and at no additional charge to Customer) repair the defective Equipment or Motorola Software, replace it with the same or equivalent product, or refund the price of the defective Equipment or Motorola Software. These actions will be the full extent of Motorola's liability for the warranty claim. In the event of a valid Services warranty claim, Customer's sole remedy is to require Motorola to re-perform the non-conforming Service or to refund, on a pro-rata basis, the fees paid for the non-conforming Service. If this investigation indicates the warranty claim is not valid, then Motorola may invoice Customer for responding to the claim on a time and materials basis using Motorola's then current labor rates. Repaired or replaced product is warranted for the balance of the original applicable warranty period. All replaced products or parts will become the property of Motorola.

10.7. **ORIGINAL END USER IS COVERED.** These express limited warranties are extended by Motorola to the original user purchasing the System or Services for commercial, industrial, or governmental use only, and are not assignable or transferable.

10.8. **DISCLAIMER OF OTHER WARRANTIES.** THESE WARRANTIES ARE THE COMPLETE WARRANTIES FOR THE EQUIPMENT AND MOTOROLA SOFTWARE PROVIDED UNDER THIS AGREEMENT AND ARE GIVEN IN LIEU OF ALL OTHER WARRANTIES. MOTOROLA DISCLAIMS ALL

OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE.

Section 11 DELAYS

11.1. **FORCE MAJEURE.** Neither Party will be liable for its non-performance or delayed performance if caused by a Force Majeure. A Party that becomes aware of a Force Majeure that will significantly delay performance will notify the other Party promptly (but in no event later than fifteen days) after it discovers the Force Majeure. If a Force Majeure occurs, the Parties will execute a change order to extend the Performance Schedule or applicable Addenda for a time period that is reasonable under the circumstances.

11.2. **PERFORMANCE SCHEDULE DELAYS CAUSED BY CUSTOMER.** If Customer (including its other contractors) delays the Performance Schedule, it will make the promised payments according to the Payment schedule as if no delay occurred; and the Parties will execute a change order to extend the Performance Schedule and, if requested, compensate Motorola for all reasonable charges incurred because of the delay. Delay charges may include costs incurred by Motorola or its subcontractors for additional freight, warehousing and handling of Equipment; extension of the warranties; travel; suspending and re-mobilizing the work; additional engineering, project management, and standby time calculated at then current rates; and preparing and implementing an alternative implementation plan.

Section 12 DISPUTES

The Parties will use the following procedure to address any dispute arising under this Agreement (a "Dispute").

12.1. **GOVERNING LAW.** This Agreement will be governed by and construed in accordance with the laws of the State in which the System is installed.

12.2. **NEGOTIATION.** Either Party may initiate the Dispute resolution procedures by sending a notice of Dispute ("Notice of Dispute"). The Parties will attempt to resolve the Dispute promptly through good faith negotiations including 1) timely escalation of the Dispute to executives who have authority to settle the Dispute and who are at a higher level of management than the persons with direct responsibility for the matter and 2) direct communication between the executives. If the Dispute has not been resolved within ten (10) days from the Notice of Dispute, the Parties will proceed to mediation.

12.3. **MEDIATION.** The Parties will choose an independent mediator within thirty (30) days of a notice to mediate from either Party ("Notice of Mediation"). Neither Party may unreasonably withhold consent to the selection of a mediator. If the Parties are unable to agree upon a mediator, either Party may request that American Arbitration Association nominate a mediator. Each Party will bear its own costs of mediation, but the Parties will share the cost of the mediator equally. Each Party will participate in the mediation in good faith and will be represented at the mediation by a business executive with authority to settle the Dispute.

12.4. **LITIGATION, VENUE and JURISDICTION.** If a Dispute remains unresolved for sixty (60) days after receipt of the Notice of Mediation, either Party may then submit the Dispute to a court of competent jurisdiction in the state in which the System is installed. Each Party irrevocably agrees to submit to the exclusive jurisdiction of the courts in such state over any claim or matter arising under or in connection with this Agreement.

12.5. **CONFIDENTIALITY.** All communications pursuant to subsections 12.2 and 12.3 will be treated as compromise and settlement negotiations for purposes of applicable rules of evidence and any additional confidentiality protections provided by applicable law. The use of these Dispute resolution procedures will not be construed under the doctrines of laches, waiver or estoppel to affect adversely the rights of either Party.

Section 13 DEFAULT AND TERMINATION

13.1. **DEFAULT BY A PARTY.** If either Party fails to perform a material obligation under this Agreement, the other Party may consider the non-performing Party to be in default (unless a Force Majeure causes the failure) and may assert a default claim by giving the non-performing Party a written and detailed notice of default. Except for a default by Customer for failing to pay any amount when due under this Agreement which must be cured immediately, the defaulting Party will have thirty (30) days after receipt of the notice of default to either cure the default or, if the default is not curable within thirty (30) days, provide a written cure plan. The defaulting Party will begin implementing the cure plan immediately after receipt of notice by the other Party that it approves the plan. If Customer is the defaulting Party, Motorola may stop work on the project until it approves the Customer's cure plan.

13.2. **FAILURE TO CURE.** If a defaulting Party fails to cure the default as provided above in Section 13.1, unless otherwise agreed in writing, the non-defaulting Party may terminate any unfulfilled portion of this Agreement. In the event of termination for default, the defaulting Party will promptly return to the non-defaulting Party any of its Confidential Information. If Customer is the non-defaulting Party, terminates this Agreement as permitted by this Section, and completes the System through a third Party, Customer may as its exclusive remedy recover from Motorola reasonable costs incurred to complete the System to a capability not exceeding that specified in this Agreement less the unpaid portion of the Contract Price. Customer will mitigate damages and provide Motorola with detailed invoices substantiating the charges. In the event Customer elects to terminate this Agreement for any reason other than default, Customer shall pay Motorola for the conforming Equipment and/or Software delivered and all services performed.

Section 14 INDEMNIFICATION

14.1. **GENERAL INDEMNITY BY Motorola.** Motorola will indemnify and hold Customer harmless from any and all liability, expense, judgment, suit, cause of action, or demand for personal injury, death, or direct damage to tangible property which may accrue against Customer to the extent it is caused by the negligence of Motorola, its subcontractors, or their employees or agents, while performing their duties under this Agreement, if Customer gives Motorola prompt, written notice of any claim or suit. Customer will cooperate with Motorola in its defense or settlement of the claim or suit. This Section sets forth the full extent of Motorola's general indemnification of Customer from liabilities that are in any way related to Motorola's performance under this Agreement.

14.2. **GENERAL INDEMNITY BY CUSTOMER.** Customer will indemnify and hold Motorola harmless from any and all liability, expense, judgment, suit, cause of action, or demand for personal injury, death, or direct damage to tangible property which may accrue against Motorola to the extent it is caused by the negligence of Customer, its other contractors, or their employees or agents, while performing their duties under this Agreement, if Motorola gives Customer prompt, written notice of any the claim or suit. Motorola will cooperate with Customer in its defense or settlement of the claim or suit. This Section sets forth the full extent of Customer's general indemnification of Motorola from liabilities that are in any way related to Customer's performance under this Agreement.

14.3. **PATENT AND COPYRIGHT INFRINGEMENT.**

14.3.1. Motorola will defend at its expense any suit brought against Customer to the extent it is based on a third-party claim alleging that the Equipment manufactured by Motorola or the Motorola Software ("Motorola Product") directly infringes a United States patent or copyright ("Infringement Claim"). Motorola's duties to defend and indemnify are conditioned upon: Customer promptly notifying Motorola in writing of the Infringement Claim; Motorola having sole control of the defense of the suit and all negotiations for its settlement or compromise; and Customer providing to Motorola cooperation and, if requested by Motorola, reasonable assistance in the defense of the Infringement Claim. In addition to Motorola's obligation to defend, and subject to the same conditions, Motorola will pay all damages finally awarded against Customer by a court of competent jurisdiction for an Infringement Claim or agreed to, in writing, by Motorola in

settlement of an Infringement Claim.

14.3.2 If an Infringement Claim occurs, or in Motorola's opinion is likely to occur, Motorola may at its option and expense: (a) procure for Customer the right to continue using the Motorola Product; (b) replace or modify the Motorola Product so that it becomes non-infringing while providing functionally equivalent performance; or (c) accept the return of the Motorola Product and grant Customer a credit for the Motorola Product, less a reasonable charge for depreciation. The depreciation amount will be calculated based upon generally accepted accounting standards.

14.3.3 Motorola will have no duty to defend or indemnify for any Infringement Claim that is based upon: (a) the combination of the Motorola Product with any software, apparatus or device not furnished by Motorola; (b) the use of ancillary equipment or software not furnished by Motorola and that is attached to or used in connection with the Motorola Product; (c) Motorola Product designed or manufactured in accordance with Customer's designs, specifications, guidelines or instructions, if the alleged infringement would not have occurred without such designs, specifications, guidelines or instructions; (d) a modification of the Motorola Product by a party other than Motorola; (e) use of the Motorola Product in a manner for which the Motorola Product was not designed or that is inconsistent with the terms of this Agreement; or (f) the failure by Customer to install an enhancement release to the Motorola Software that is intended to correct the claimed infringement. In no event will Motorola's liability resulting from its indemnity obligation to Customer extend in any way to royalties payable on a per use basis or the Customer's revenues, or any royalty basis other than a reasonable royalty based upon revenue derived by Motorola from Customer from sales or license of the infringing Motorola Product.

14.3.4. This Section 14 provides Customer's sole and exclusive remedies and Motorola's entire liability in the event of an Infringement Claim. Customer has no right to recover and Motorola has no obligation to provide any other or further remedies, whether under another provision of this Agreement or any other legal theory or principle, in connection with an Infringement Claim. In addition, the rights and remedies provided in this Section 14 are subject to and limited by the restrictions set forth in Section 15.

Section 15 LIMITATION OF LIABILITY

Except for personal injury or death, Motorola's total liability, whether for breach of contract, warranty, negligence, strict liability in tort, indemnification, or otherwise, will be limited to the direct damages recoverable under law, but not to exceed the price of the Equipment, Software, or implementation and other one-time Services with respect to which losses or damages are claimed. With respect to all subscription or other ongoing Services and unless as otherwise provided under the applicable Addenda, Motorola's total liability will be limited to the direct damages recoverable under law, but not to exceed the price of twelve (12) months of Services preceding the incident giving rise to the claim. **ALTHOUGH THE PARTIES ACKNOWLEDGE THE POSSIBILITY OF SUCH LOSSES OR DAMAGES, THEY AGREE THAT MOTOROLA WILL NOT BE LIABLE FOR ANY COMMERCIAL LOSS, INCONVENIENCE, LOSS OF USE, LOSS TIME, DATA, GOODWILL, REVENUES, PROFITS OR SAVINGS; OR OTHER SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO OR ARISING FROM THIS AGREEMENT, THE SALE OR USE OF THE EQUIPMENT OR SOFTWARE, OR THE PERFORMANCE OF SERVICES BY MOTOROLA PURSUANT TO THIS AGREEMENT.** This limitation of liability provision survives the expiration or termination of the Agreement and applies notwithstanding any contrary provision. No action for contract breach or otherwise relating to the transactions contemplated by this Agreement may be brought more than one (1) year after the accrual of the cause of action, except for money due upon an open account.

Section 16 CONFIDENTIALITY AND PROPRIETARY RIGHTS

16.1. CONFIDENTIAL INFORMATION.

16.1.1. Each party is a disclosing party ("Discloser") and a receiving party ("Recipient") under this

Agreement. All Deliverables will be deemed to be Motorola's Confidential Information. During the term of this Agreement and for a period of three (3) years from the expiration or termination of this Agreement, Recipient will (i) not disclose Confidential Information to any third party; (ii) restrict disclosure of Confidential Information to only those employees (including, but not limited to, employees of any wholly owned subsidiary, a parent company, any other wholly owned subsidiaries of the same parent company), agents or consultants who must be directly involved with the Confidential Information for the purpose and who are bound by confidentiality terms substantially similar to those in this Agreement; (iii) not copy, reproduce, reverse engineer, decompile, or disassemble any Confidential Information; (iv) use the same degree of care as for its own information of like importance, but at least use reasonable care, in safeguarding against disclosure of Confidential Information; (v) promptly notify Discloser upon discovery of any unauthorized use or disclosure of the Confidential Information and take reasonable steps to regain possession of the Confidential Information and prevent further unauthorized actions or other breach of this Agreement; and (vi) only use the Confidential Information as needed to fulfill this Agreement.

16.1.2. Recipient is not obligated to maintain as confidential, Confidential Information that Recipient can demonstrate by documentation (i) is now available or becomes available to the public without breach of this agreement; (ii) is explicitly approved for release by written authorization of Discloser; (iii) is lawfully obtained from a third party or parties without a duty of confidentiality; (iv) is known to the Recipient prior to such disclosure; or (v) is independently developed by Recipient without the use of any of Discloser's Confidential Information or any breach of this Agreement.

16.1.3. All Confidential Information remains the property of the Discloser and will not be copied or reproduced without the express written permission of the Discloser, except for copies that are absolutely necessary in order to fulfill this Agreement. Within ten (10) days of receipt of Discloser's written request, Recipient will return all Confidential Information to Discloser along with all copies and portions thereof, or certify in writing that all such Confidential Information has been destroyed. However, Recipient may retain one (1) archival copy of the Confidential Information that it may use only in case of a dispute concerning this Agreement. No license, express or implied, in the Confidential Information is granted other than to use the Confidential Information in the manner and to the extent authorized by this Agreement. The Discloser warrants that it is authorized to disclose any Confidential Information it discloses pursuant to this Agreement.

16.2. PRESERVATION OF MOTOROLA'S PROPRIETARY RIGHTS. Motorola, the third party manufacturer of any Equipment, and the copyright owner of any Non-Motorola Software own and retain all of their respective Proprietary Rights in the Equipment and Software, and nothing in this Agreement is intended to restrict their Proprietary Rights. All intellectual property developed, originated, or prepared by Motorola in connection with providing to Customer the Equipment, Software, or related services remain vested exclusively in Motorola, and this Agreement does not grant to Customer any shared development rights of intellectual property. Except as explicitly provided in the Software License Agreement, Motorola does not grant to Customer, either directly or by implication, estoppel, or otherwise, any right, title or interest in Motorola's Proprietary Rights. Customer will not modify, disassemble, peel components, decompile, otherwise reverse engineer or attempt to reverse engineer, derive source code or create derivative works from, adapt, translate, merge with other software, reproduce, distribute, sublicense, sell or export the Software, or permit or encourage any third party to do so. The preceding sentence does not apply to Open Source Software which is governed by the standard license of the copyright owner.

16.3 VOLUNTARY DISCLOSURE. Except as required to fulfill its obligations under this Agreement, Motorola will have no obligation to provide Customer with access to its Confidential Information and/or proprietary information. Under no circumstances will Motorola be required to provide any data related to cost and pricing.

16.4 DATA AND FEEDBACK.

16.4.1 To the extent permitted by law, Customer owns all right, title and interest in System Data created solely by it or its agents (hereafter, "Customer Data"), and grants to Motorola the right to use, host, cache,

store, reproduce, copy, modify, combine, analyze, create derivatives from, communicate, transmit, publish, display, and distribute such Customer Data.

16.4.2 Motorola owns all right, title and interest in data resulting from System Data that is or has been transformed, altered, processed, aggregated, correlated or operated on (hereafter, "Derivative Data").

16.4.3 Any Feedback given by Customer is and will be entirely voluntary and, even if designated as confidential, will not create any confidentiality obligation for Motorola. Motorola will be free to use, reproduce, license or otherwise distribute and exploit the Feedback without any obligation to Customer. Customer acknowledges that Motorola's receipt of the Feedback does not imply or create recognition by Motorola of either the novelty or originality of any idea. The parties further agree that all fixes, modifications and improvements made to Motorola products or services conceived of or made by Motorola that are based, either in whole or in part, on the Feedback are the exclusive property of Motorola and all right, title and interest in and to such fixes, modifications or improvements to the Motorola product or service will vest solely in Motorola.

Section 17 GENERAL

17.1. TAXES. The Contract Price does not include any excise, sales, lease, use, property, or other taxes, assessments or duties, all of which will be paid by Customer except as exempt by law. If Motorola is required to pay any of these taxes, Motorola will send an invoice to Customer and Customer will pay to Motorola the amount of the taxes (including any interest and penalties) within thirty (30) days after the date of the invoice. Customer will be solely responsible for reporting the Equipment for personal property tax purposes, and Motorola will be solely responsible for reporting taxes on its income or net worth.

17.2. ASSIGNABILITY AND SUBCONTRACTING. Except as provided herein, neither Party may assign this Agreement or any of its rights or obligations hereunder without the prior written consent of the other Party, which consent will not be unreasonably withheld. Any attempted assignment, delegation, or transfer without the necessary consent will be void. Notwithstanding the foregoing, Motorola may assign this Agreement to any of its affiliates or its right to receive payment without the prior consent of Customer. In addition, in the event Motorola separates one or more of its businesses (each a "Separated Business"), whether by way of a sale, establishment of a joint venture, spin-off or otherwise (each a "Separation Event"), Motorola may, without the prior written consent of the other Party and at no additional cost to Motorola, assign this Agreement such that it will continue to benefit the Separated Business and its affiliates (and Motorola and its affiliates, to the extent applicable) following the Separation Event. Motorola may subcontract any of the work, but subcontracting will not relieve Motorola of its duties under this Agreement.

17.3. WAIVER. Failure or delay by either Party to exercise a right or power under this Agreement will not be a waiver of the right or power. For a waiver of a right or power to be effective, it must be in a writing signed by the waiving Party. An effective waiver of a right or power will not be construed as either a future or continuing waiver of that same right or power, or the waiver of any other right or power.

17.4. SEVERABILITY. If a court of competent jurisdiction renders any part of this Agreement invalid or unenforceable, that part will be severed and the remainder of this Agreement will continue in full force and effect.

17.5. INDEPENDENT CONTRACTORS. Each Party will perform its duties under this Agreement as an independent contractor. The Parties and their personnel will not be considered to be employees or agents of the other Party. Nothing in this Agreement will be interpreted as granting either Party the right or authority to make commitments of any kind for the other. This Agreement will not constitute, create, or be interpreted

as a joint venture, partnership or formal business organization of any kind.

17.6. HEADINGS AND SECTION REFERENCES. The section headings in this Agreement are inserted only for convenience and are not to be construed as part of this Agreement or as a limitation of the scope of the particular section to which the heading refers. This Agreement will be fairly interpreted in accordance with its terms and conditions and not for or against either Party.

17.7. NOTICES. Notices required under this Agreement to be given by one Party to the other must be in writing and either personally delivered or sent to the address provided by the other Party by certified mail, return receipt requested and postage prepaid (or by a recognized courier service, such as Federal Express, UPS, or DHL), or by facsimile with correct answerback received, and will be effective upon receipt.

17.8. COMPLIANCE WITH APPLICABLE LAWS. Each Party will comply with all applicable federal, state, and local laws, regulations and rules concerning the performance of this Agreement or use of the System. Customer will obtain and comply with all Federal Communications Commission ("FCC") licenses and authorizations required for the installation, operation and use of the System before the scheduled installation of the Equipment. Although Motorola might assist Customer in the preparation of its FCC license applications, neither Motorola nor any of its employees is an agent or representative of Customer in FCC or other matters.

17.9 FUTURE REGULATORY REQUIREMENTS. The Parties acknowledge and agree that this is an evolving technological area and therefore, laws and regulations regarding Services and use of Solution may change. Changes to existing Services or the Solution required to achieve regulatory compliance may be available for an additional fee. Any required changes may also impact the price for Services.

17.10. AUTHORITY TO EXECUTE AGREEMENT. Each Party represents that it has obtained all necessary approvals, consents and authorizations to enter into this Agreement and to perform its duties under this Agreement; the person executing this Agreement on its behalf has the authority to do so; upon execution and delivery of this Agreement by the Parties, it is a valid and binding contract, enforceable in accordance with its terms; and the execution, delivery, and performance of this Agreement does not violate any bylaw, charter, regulation, law or any other governing authority of the Party.

17.11. ADMINISTRATOR LEVEL ACCOUNT ACCESS. If applicable to the type of System purchased by Customer, Motorola will provide Customer with Administrative User Credentials. Customer agrees to only grant access to the Administrative User Credentials to those personnel with the training and experience to correctly use them. Customer is responsible for protecting Administrative User Credentials from disclosure and maintaining Credential validity by, among other things, updating passwords when required. Customer may be asked to provide valid Administrative User Credentials when in contact with Motorola System support personnel. Customer understands that changes made as the Administrative User can significantly impact the performance of the System. Customer agrees that it will be solely responsible for any negative impact on the System or its users by any such changes. System issues occurring as a result of changes made using the Administrative User Credentials may impact Motorola's ability to perform Services or other obligations under the Agreement. In such cases, a revision to the appropriate provisions of the Agreement, including the Statement of Work, may be necessary. To the extent Motorola provides assistance to correct any issues caused by or arising out of the use of or failure to maintain Administrative User Credentials, Motorola will be entitled to bill Customer and Customer will pay Motorola on a time and materials basis for resolving the issue.

17.12. SURVIVAL OF TERMS. The following provisions will survive the expiration or termination of this Agreement for any reason: Section 3.5 (Motorola Software); Section 3.6 (Non-Motorola Software); if any payment obligations exist, Sections 6.2 and 6.3 (Contract Price and Invoicing and Payment); Subsection 10.8 (Disclaimer of Implied Warranties); Section 12 (Disputes); Section 15 (Limitation of Liability); and Section 16 (Confidentiality and Proprietary Rights); and all of the General provisions in Section 17.

17.13. ENTIRE AGREEMENT. This Agreement, including all Exhibits, constitutes the entire agreement of the Parties regarding the subject matter of the Agreement and supersedes all previous agreements, proposals, and understandings, whether written or oral, relating to this subject matter. This Agreement may be executed in multiple counterparts, and shall have the same legal force and effect as if the Parties had executed it as a single document. The Parties may sign in writing, or by electronic signature, including by email. An electronic signature, or a facsimile copy or computer image, such as a PDF or tiff image, of a signature, shall be treated as and shall have the same effect as an original signature. In addition, an electronic signature, a true and correct facsimile copy or computer image of this Agreement shall be treated as and shall have the same effect as an original signed copy of this document. This Agreement may be amended or modified only by a written instrument signed by authorized representatives of both Parties. The preprinted terms and conditions found on any Customer purchase or purchase order, acknowledgment or other form will not be considered an amendment or modification of this Agreement, even if a representative of each Party signs that document.

The Parties hereby enter into this Agreement as of the Effective Date.

Motorola Solutions, Inc.

Customer

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Exhibit A

MOTOROLA SOFTWARE LICENSE AGREEMENT

This Exhibit A Motorola Software License Agreement ("Agreement") is between Motorola Solutions, Inc., ("Motorola"), and _____ ("Licensee").

For good and valuable consideration, the parties agree as follows:

Section 1 DEFINITIONS

1.1 "Designated Products" means products provided by Motorola to Licensee with which or for which the Software and Documentation is licensed for use.

1.2 "Documentation" means product and software documentation that specifies technical and performance features and capabilities, and the user, operation and training manuals for the Software (including all physical or electronic media upon which such information is provided).

1.3 "Open Source Software" means software with either freely obtainable source code, license for modification, or permission for free distribution.

1.4 "Open Source Software License" means the terms or conditions under which the Open Source Software is licensed.

1.5 "Primary Agreement" means the agreement to which this exhibit is attached.

1.6 "Security Vulnerability" means a flaw or weakness in system security procedures, design, implementation, or internal controls that could be exercised (accidentally triggered or intentionally exploited) and result in a security breach such that data is compromised, manipulated or stolen or the system damaged.

1.7 "Software" (i) means proprietary software in object code format, and adaptations, translations, de-compilations, disassemblies, emulations, or derivative works of such software; (ii) means any modifications, enhancements, new versions and new releases of the software provided by Motorola; and (iii) may contain one or more items of software owned by a third party supplier. The term "Software" does not include any third party software provided under separate license or third party software not licensable under the terms of this Agreement.

Section 2 SCOPE

Motorola and Licensee enter into this Agreement in connection with Motorola's delivery of certain proprietary software or products containing embedded or pre-loaded proprietary software, or both. This Agreement contains the terms and conditions of the license Motorola is providing to Licensee, and Licensee's use of the proprietary software and affiliated documentation.

Section 3 GRANT OF LICENSE

3.1. Subject to the provisions of this Agreement and the payment of applicable license fees, Motorola grants to Licensee a personal, limited, non-transferable (except as permitted in Section 7) and non-exclusive license under Motorola's copyrights and Confidential Information (as defined in the Primary Agreement) embodied in the Software to use the Software, in object code form, and the Documentation solely in connection with Licensee's use of the Designated Products. This Agreement does not grant any rights to source code.

3.2. If the Software licensed under this Agreement contains or is derived from Open Source Software, the terms and conditions governing the use of such Open Source Software are in the Open Source Software Licenses of the copyright owner and not this Agreement. If there is a conflict between the terms and conditions of this Agreement and the terms and conditions of the Open Source Software Licenses governing Licensee's use of the Open Source Software, the terms and conditions of the license grant of the applicable Open Source Software Licenses will take precedence over the license grants in this Agreement. If requested by Licensee, Motorola will use commercially reasonable efforts to: (i) determine whether any Open Source Software is provided under this Agreement; and (ii) identify the Open Source Software (or specify where that license may be found).

3.3 TO THE EXTENT, IF ANY, THAT THERE IS A SEPARATE LICENSE AGREEMENT PACKAGED WITH, OR PROVIDED ELECTRONICALLY WITH, A PARTICULAR PRODUCT THAT BECOMES EFFECTIVE ON AN ACT OF ACCEPTANCE BY THE END USER, THEN THAT AGREEMENT SUPERSEDES THE SOFTWARE LICENSE AGREEMENT AS TO THE END USER OF EACH SUCH PRODUCT.

Section 4 LIMITATIONS ON USE

4.1. Licensee may use the Software only for Licensee's internal business purposes and only in accordance with the Documentation. Any other use of the Software is strictly prohibited. Without limiting the general nature of these restrictions, Licensee will not make the Software available for use by third parties on a "time sharing," "application service provider," or "service bureau" basis or for any other similar commercial rental or sharing arrangement.

4.2. Licensee will not, and will not allow or enable any third party to: (i) reverse engineer, disassemble, peel components, decompile, reprogram or otherwise reduce the Software or any portion to a human perceptible form or otherwise attempt to recreate the source code; (ii) modify, adapt, create derivative works of, or merge the Software; (iii) copy, reproduce, distribute, lend, or lease the Software or Documentation to any third party, grant any sublicense or other rights in the Software or Documentation to any third party, or take any action that would cause the Software or Documentation to be placed in the public domain; (iv) remove, or in any way alter or obscure, any copyright notice or other notice of Motorola's proprietary rights; (v) provide, copy, transmit, disclose, divulge or make the Software or Documentation available to, or permit the use of the Software by any third party or on any machine except as expressly authorized by this Agreement; or (vi) use, or permit the use of, the Software in a manner that would result in the production of a copy of the Software solely by activating a machine containing the Software. Licensee may make one copy of Software to be used solely for archival, back-up, or disaster recovery purposes; *provided* that Licensee may not operate that copy of the Software at the same time as the original Software is being operated. Licensee may make as many copies of the Documentation as it may reasonably require for the internal use of the Software.

4.3. Unless otherwise authorized by Motorola in writing, Licensee will not, and will not enable or allow any third party to: (i) install a licensed copy of the Software on more than one unit of a Designated Product; or (ii) copy onto or transfer Software installed in one unit of a Designated Product onto one other device. Licensee may temporarily transfer Software installed on a Designated Product to another device if the Designated Product is inoperable or malfunctioning, if Licensee provides written notice to Motorola of the temporary transfer and identifies the device on which the Software is transferred. Temporary transfer of the Software to another device must be discontinued when the original Designated Product is returned to operation and the Software must be removed from the other device. Licensee must provide prompt written notice to Motorola at the time temporary transfer is discontinued.

4.4 Licensee will maintain, during the term of this Agreement and for a period of two years thereafter, accurate records relating to this license grant to verify compliance with this Agreement. Motorola or an independent third party ("Auditor") may inspect Licensee's premises, books and records, upon reasonable prior notice to Licensee, during Licensee's normal business hours and subject to Licensee's facility and

security regulations. Motorola is responsible for the payment of all expenses and costs of the Auditor. Any information obtained by Motorola and the Auditor will be kept in strict confidence by Motorola and the Auditor and used solely for the purpose of verifying Licensee's compliance with the terms of this Agreement.

Section 5 OWNERSHIP AND TITLE

Motorola, its licensors, and its suppliers retain all of their proprietary rights in any form in and to the Software and Documentation, including, but not limited to, all rights in patents, patent applications, inventions, copyrights, trademarks, trade secrets, trade names, and other proprietary rights in or relating to the Software and Documentation (including any corrections, bug fixes, enhancements, updates, modifications, adaptations, translations, de-compilations, disassemblies, emulations to or derivative works from the Software or Documentation, whether made by Motorola or another party, or any improvements that result from Motorola's processes or, provision of information services). No rights are granted to Licensee under this Agreement by implication, estoppel or otherwise, except for those rights which are expressly granted to Licensee in this Agreement. All intellectual property developed, originated, or prepared by Motorola in connection with providing the Software, Designated Products, Documentation or related services, remains vested exclusively in Motorola, and Licensee will not have any shared development or other intellectual property rights.

Section 6 LIMITED WARRANTY; DISCLAIMER OF WARRANTY

6.1. Unless otherwise stated in the Primary Agreement, the commencement date and the term of the Software warranty will be a period of ninety (90) days from Motorola's shipment of the Software (the "Warranty Period"). If Licensee is not in breach of any of its obligations under this Agreement, Motorola warrants that the unmodified Software, when used properly and in accordance with the Documentation and this Agreement, will be free from a reproducible defect that eliminates the functionality or successful operation of a feature critical to the primary functionality or successful operation of the Software. Whether a defect occurs will be determined by Motorola solely with reference to the Documentation. Motorola does not warrant that Licensee's use of the Software or the Designated Products will be uninterrupted, error-free, completely free of Security Vulnerabilities, or that the Software or the Designated Products will meet Licensee's particular requirements. Motorola makes no representations or warranties with respect to any third party software included in the Software. Notwithstanding, any warranty provided by a copyright owner in its standard license terms will flow through to Licensee for third party software provided by Motorola.

6.2 Motorola's sole obligation to Licensee and Licensee's exclusive remedy under this warranty is to use reasonable efforts to remedy any material Software defect covered by this warranty. These efforts will involve either replacing the media or attempting to correct significant, demonstrable program or documentation errors or Security Vulnerabilities. If Motorola cannot correct the defect within a reasonable time, then at Motorola's option, Motorola will replace the defective Software with functionally-equivalent Software, license to Licensee substitute Software which will accomplish the same objective, or terminate the license and refund the Licensee's paid license fee.

6.3. Warranty claims are described in the Primary Agreement.

6.4. The express warranties set forth in this Section 6 are in lieu of, and Motorola disclaims, any and all other warranties (express or implied, oral or written) with respect to the Software or Documentation, including, without limitation, any and all implied warranties of condition, title, non-infringement, merchantability, or fitness for a particular purpose or use by Licensee (whether or not Motorola knows, has reason to know, has been advised, or is otherwise aware of any such purpose or use), whether arising by law, by reason of custom or usage of trade, or by course of dealing. In addition, Motorola disclaims any warranty to any person other than Licensee with respect to the Software or Documentation.

Section 7 TRANSFERS

Licensee will not transfer the Software or Documentation to any third party without Motorola's prior written

consent. Motorola's consent may be withheld at its discretion and may be conditioned upon transferee paying all applicable license fees and agreeing to be bound by this Agreement. If the Designated Products are Motorola's radio products and Licensee transfers ownership of the Motorola radio products to a third party, Licensee may assign its right to use the Software (other than CPS and Motorola's FLASHport® software) which is embedded in or furnished for use with the radio products and the related Documentation; *provided* that Licensee transfers all copies of the Software and Documentation to the transferee, and Licensee and the transferee sign a transfer form to be provided by Motorola upon request, obligating the transferee to be bound by this Agreement.

Section 8 TERM AND TERMINATION

8.1 Licensee's right to use the Software and Documentation will begin when the Primary Agreement is signed by both parties and will continue for the life of the Designated Products with which or for which the Software and Documentation have been provided by Motorola, unless Licensee breaches this Agreement, in which case this Agreement and Licensee's right to use the Software and Documentation may be terminated immediately upon notice by Motorola.

8.2 Within thirty (30) days after termination of this Agreement, Licensee must certify in writing to Motorola that all copies of the Software have been removed or deleted from the Designated Products and that all copies of the Software and Documentation have been returned to Motorola or destroyed by Licensee and are no longer in use by Licensee.

8.3 Licensee acknowledges that Motorola made a considerable investment of resources in the development, marketing, and distribution of the Software and Documentation and that Licensee's breach of this Agreement will result in irreparable harm to Motorola for which monetary damages would be inadequate. If Licensee breaches this Agreement, Motorola may terminate this Agreement and be entitled to all available remedies at law or in equity (including immediate injunctive relief and repossession of all non-embedded Software and associated Documentation unless Licensee is a Federal agency of the United States Government).

Section 9 Commercial Computer Software

9.1 *This Section 9 only applies to U.S. Government end users.* The Software, Documentation and updates are commercial items as that term is defined at 48 C.F.R. Part 2.101, consisting of "commercial computer software" and "computer software documentation" as such terms are defined in 48 C.F.R. Part 252.227-7014(a)(1) and 48 C.F.R. Part 252.227-7014(a)(5), and used in 48 C.F.R. Part 12.212 and 48 C.F.R. Part 227.7202, as applicable. Consistent with 48 C.F.R. Part 12.212, 48 C.F.R. Part 252.227-7015, 48 C.F.R. Part 227.7202-1 through 227.7202-4, 48 C.F.R. Part 52.227-19, and other relevant sections of the Code of Federal Regulations, as applicable, the Software, Documentation and Updates are distributed and licensed to U.S. Government end users: (i) only as commercial items, and (ii) with only those rights as are granted to all other end users pursuant to the terms and conditions contained herein.

9.2 If Licensee is licensing Software for end use by the United States Government or a United States Government agency, Licensee may transfer such Software license, but only if: (i) Licensee transfers all copies of such Software and Documentation to such United States Government entity or interim transferee, and (ii) Licensee has first obtained from the transferee (if applicable) and ultimate end user an enforceable end user license agreement containing restrictions substantially identical to the ones contained in this Agreement. Except as stated in the foregoing, Licensee and any transferee(s) authorized by this subsection 9.2 may not otherwise use or transfer or make available any Motorola software to any third party nor permit any party to do so.

Section 10 CONFIDENTIALITY

Licensee acknowledges that the Software and Documentation contain Motorola's valuable proprietary and Confidential Information and are Motorola's trade secrets, and that the provisions in the Primary Agreement

concerning Confidential Information apply.

Section 11 LIMITATION OF LIABILITY

The Limitation of Liability provision is described in the Primary Agreement.

Section 12 NOTICES

Notices are described in the Primary Agreement.

Section 13 GENERAL

13.1. **COPYRIGHT NOTICES.** The existence of a copyright notice on the Software will not be construed as an admission or presumption of publication of the Software or public disclosure of any trade secrets associated with the Software.

13.2. **COMPLIANCE WITH LAWS.** Licensee acknowledges that the Software is subject to the laws and regulations of the United States and Licensee will comply with all applicable laws and regulations, including export laws and regulations of the United States. Licensee will not, without the prior authorization of Motorola and the appropriate governmental authority of the United States, in any form export or re-export, sell or resell, ship or reship, or divert, through direct or indirect means, any item or technical data or direct or indirect products sold or otherwise furnished to any person within any territory for which the United States Government or any of its agencies at the time of the action, requires an export license or other governmental approval. Violation of this provision is a material breach of this Agreement.

13.3 **FUTURE REGULATORY REQUIREMENTS.** The Parties acknowledge and agree that this is an evolving technological area and therefore, laws and regulations regarding Services and use of Solution may change. Changes to existing Services or the Solution required to achieve regulatory compliance may be available for an additional fee. Any required changes may also impact the price for Services.

13.4. **ASSIGNMENTS AND SUBCONTRACTING.** Motorola may assign its rights or subcontract its obligations under this Agreement, or encumber or sell its rights in any Software, without prior notice to or consent of Licensee.

13.5. **GOVERNING LAW.** This Agreement is governed by the laws of the United States to the extent that they apply and otherwise by the internal substantive laws of the State to which the Software is shipped if Licensee is a sovereign government entity, or the internal substantive laws of the State of Illinois if Licensee is not a sovereign government entity. The terms of the U.N. Convention on Contracts for the International Sale of Goods do not apply. In the event that the Uniform Computer Information Transaction Act, any version of this Act, or a substantially similar law (collectively "UCITA") becomes applicable to a party's performance under this Agreement, UCITA does not govern any aspect of this Agreement or any license granted under this Agreement, or any of the parties' rights or obligations under this Agreement. The governing law will be that in effect prior to the applicability of UCITA.

13.6. **THIRD PARTY BENEFICIARIES.** This Agreement is entered into solely for the benefit of Motorola and Licensee. No third party has the right to make any claim or assert any right under this Agreement, and no third party is deemed a beneficiary of this Agreement. Notwithstanding the foregoing, any licensor or supplier of third party software included in the Software will be a direct and intended third party beneficiary of this Agreement.

13.7. SURVIVAL. Sections 4, 5, 6.4, 7, 8, 9, 10, 11 and 13 survive the termination of this Agreement.

13.8. ORDER OF PRECEDENCE. In the event of inconsistencies between this Exhibit and the Primary Agreement, the parties agree that this Exhibit prevails, only with respect to the specific subject matter of this Exhibit, and not the Primary Agreement or any other exhibit as it applies to any other subject matter.

13.9. SECURITY. Motorola uses reasonable means in the design and writing of its own Software and the acquisition of third party Software to limit Security Vulnerabilities. While no software can be guaranteed to be free from Security Vulnerabilities, if a Security Vulnerability is discovered, Motorola will take the steps set forth in Section 6 of this Agreement.

**Exhibit B
PAYMENT**

Except for a payment that is due on the Effective Date, Customer will make payments to Motorola within thirty (30) days after the date of each invoice. Customer will make payments when due in the form of a check, cashier's check, or wire transfer drawn on a U.S. financial institution. If Customer has purchased additional Professional or Subscription services, payment will be in accordance with the applicable addenda. Payment for the System purchase will be in accordance with the following milestones.

System Purchase (excluding Subscribers, if applicable)

- 1. **25% of the Contract Price due upon contract execution (due upon effective date);**
- 2. **60% of the Contract Price due upon shipment of equipment from Staging;**
- 3. **10% of the Contract Price due upon installation of equipment; and**
- 4. **5% of the Contract Price due upon Final Acceptance.**

If Subscribers are purchased, 100% of the Subscriber Contract Price will be invoiced upon shipment (as shipped).

Motorola shall make partial shipments of equipment and will request payment upon shipment of such equipment. In addition, Motorola shall invoice for installations completed on a site-by-site basis or when professional services are completed, when applicable. The value of the equipment shipped/services performed will be determined by the value shipped/services performed as a percentage of the total milestone value. Unless otherwise specified, contract discounts are based upon all items proposed and overall system package. For invoicing purposes only, discounts will be applied proportionately to the FNE and Subscriber equipment values to total contract price. Overdue invoices will bear simple interest at the maximum allowable rate by state law.

**For Lifecycle Support Plan and Subscription Based Services:
Motorola will invoice Customer annually in advance of each year of the plan.**

The chart below outlines the hourly labor rates for Motorola System Integration resources to be used. The staffing requirements shall be multiplied by the appropriate rate per resource in the table below. The hourly labor rates are fully burdened. The hourly rates per resource type and level are listed in Table 1.

	Resource Types			
Levels	Project Management	System Engineering	System Technologist	Project Administration
4	\$ 290.00	\$ 300.00	\$ 280.00	\$ 200.00
3	\$ 240.00	\$ 250.00	\$ 240.00	\$ 180.00
2	\$ 220.00	\$ 220.00	\$ 220.00	\$ 170.00
1	\$ 190.00	\$ 210.00	\$ 210.00	\$ 160.00

Table 1 - Hourly Rates

These rates apply to ordinary days and times (Monday to Friday during the hours 8am to 5pm). Additional surcharges may apply to work done outside these timeframes. The minimum charge for any resource will be 4 hours. Travel expenses are not included in these rates and may be charged separately. The qualifications of each type and level of resource are defined in the tables found at <https://www.motorolasolutions.com/content/dam/msi/secure/services/labor-rates-exhibit-160408.pdf>. All Motorola System Integration personnel assigned to this project will be classified according these levels. Project Administrative roles are varied and their specific duties and qualifications will be determined by the complexity and requirements of each project.

EXHIBIT D

System Acceptance Certificate

Customer Name: _____

Project Name: _____

This System Acceptance Certificate memorializes the occurrence of System Acceptance. Motorola and Customer acknowledge that:

- 1. The Acceptance Tests set forth in the Acceptance Test Plan have been successfully completed.
- 2. The System is accepted.

Customer Representative:

Motorola Representative:

Signature: _____
 Print Name: _____
 Title: _____
 Date: _____

Signature: _____
 Print Name: _____
 Title: _____
 Date: _____

FINAL PROJECT ACCEPTANCE:

Motorola has provided and Customer has received all deliverables, and Motorola has performed all other work required for Final Project Acceptance.

Customer Representative:

Motorola Representative:

Signature: _____
 Print Name: _____
 Title: _____
 Date: _____

Signature: _____
 Print Name: _____
 Title: _____
 Date: _____

MAINTENANCE, SUPPORT AND LIFECYCLE MANAGEMENT ADDENDUM

This Addendum to the Communications System and Services Agreement or other previously executed Agreement currently in force, as applicable (“Primary Agreement”) provides additional or different terms and conditions to govern the sale of Maintenance, Support and Lifecycle Management services. The terms in this Addendum are integral to and incorporated into the Primary Agreement signed by the Parties.

1. DEFINITIONS

All capitalized terms not otherwise defined herein shall have the same meaning as defined in the Primary Agreement.

"MUA" means Microwave Upgrade Agreement (MUA).

"NUA" means Network Upgrade Agreement (NUA).

“SUA” or “SUA II” means Motorola’s Software Upgrade Agreement program for Motorola’s P25 radio system.

2. SCOPE

Motorola will provide Maintenance and Support Services and/or Lifecycle Management as further described in the applicable Statement of Work, or attachment to Motorola’s proposal for additional services.

3. TERMS AND CONDITIONS

The terms of the Primary Agreement combined with the terms of this Addendum will govern the products and services offered pursuant to this Addendum. To the extent there is a conflict between the terms and conditions of the Primary Agreement and the terms and conditions of this Addendum, this Addendum takes precedence.

3.1 MAINTENANCE AND SUPPORT SERVICES

3.1.1 **PURCHASE ORDER ACCEPTANCE.** Purchase orders for additional, continued, or expanded maintenance and software support, during the Warranty Period or after the Warranty Period, become binding only when accepted in writing by Motorola.

3.1.2 **START DATE.** The “Start Date” for Maintenance and Support Services will be indicated in the proposal or a cover page entitled “Service Agreement”.

3.1.3 **AUTO RENEWAL.** Unless the cover page or SOW specifically states a termination date or one Party notifies the other in writing of its intention to discontinue the Services, this Agreement will renew for an additional one (1) year term on every anniversary of the Start Date. At the anniversary date, Motorola may adjust the price of the Services to reflect the renewal rate.

3.1.4 **TERMINATION.** Written notice of intent to terminate must be provided thirty (30) days or more prior to the anniversary date. If Motorola provides Services after the termination or

expiration of this Addendum, the terms and conditions in effect at the time of termination or expiration will apply to those Services and Customer agrees to pay for those services on a time and materials basis at Motorola's then effective hourly rates.

3.1.5 EQUIPMENT DEFINITION. For maintenance and support services, Equipment will be defined to mean the hardware specified in the applicable SOW or attachments to the maintenance and support proposal.

3.1.6 ADDITIONAL HARDWARE. If Customer purchases additional hardware from Motorola that becomes part of the System, the additional hardware may be added to this Addendum and will be billed at the applicable rates after the warranty period for that additional equipment expires. Such hardware will be included in the definition of Equipment.

3.1.7 MAINTENANCE. Equipment will be maintained at levels set forth in the manufacturer's product manuals and routine procedures that are prescribed by Motorola will be followed. Motorola parts or parts of equal quality will be used for Equipment maintenance.

3.1.8 EQUIPMENT CONDITION. All Equipment must be in good working order on the Start Date or when additional equipment is added to the Addendum. Upon reasonable request by Motorola, Customer will provide a complete serial and model number list of the Equipment. Customer must promptly notify Motorola in writing when any Equipment is lost, damaged, stolen or taken out of service. Customer's obligation to pay maintenance and support fees for this Equipment will terminate at the end of the month in which Motorola receives the written notice. If Equipment cannot, in Motorola's reasonable opinion, be properly or economically maintained for any reason, Motorola may modify the scope of Services related to that Equipment; remove that Equipment from the Agreement; or increase the price to maintain that Equipment.

3.1.9 EQUIPMENT FAILURE. Customer must promptly notify Motorola of any Equipment failure. Motorola will respond to Customer's notification in a manner consistent with the level of Service purchased as indicated in this Addendum and applicable SOW.

3.1.10 INTRINSICALLY SAFE. Customer must specifically identify any Equipment that is labeled intrinsically safe for use in hazardous environments.

3.1.11 EXCLUDED SERVICES.

a) Service excludes the repair or replacement of Equipment that has become defective or damaged from use in other than the normal, customary, intended, and authorized manner; use not in compliance with applicable industry standards; excessive wear and tear; or accident, liquids, power surges, neglect, acts of God or other force majeure events.

b) Unless specifically included in this Addendum, Service excludes items that are consumed in the normal operation of the Equipment, such as batteries or magnetic tapes.; upgrading or reprogramming Equipment; accessories, belt clips, battery chargers, custom or special products, modified units, or software; and repair or maintenance of any transmission line, antenna, microwave equipment, tower or tower lighting, duplexer, combiner, or multicoupler. Motorola has no obligations for any transmission medium, such as telephone lines, computer networks, the internet or the worldwide web, or for Equipment malfunction caused by the transmission medium.

3.1.12 TIME AND PLACE. Service will be provided at the location specified in this Addendum and/or the SOW. When Motorola performs maintenance, support, or installation at Customer's location, Customer will provide Motorola, at no charge, a non-hazardous work environment with adequate shelter, heat, light, and power and with full and free access to the Equipment. Waivers of liability from Motorola or its subcontractors will not be imposed as a site access requirement. Customer will provide all information pertaining to the hardware and software elements of any system with which the Equipment is interfacing so that Motorola may perform its Services. Unless otherwise stated in this Addendum or applicable SOW, the hours of Service will be 8:30 a.m. to 4:30 p.m., local time, excluding weekends and holidays. Unless otherwise stated in this Addendum or applicable SOW, the price for the Services exclude any charges or expenses associated with helicopter or other unusual access requirements; if these charges or expenses are reasonably incurred by Motorola in rendering the Services, Customer agrees to reimburse Motorola for those charges and expenses.

3.1.13 CUSTOMER CONTACT. Customer will provide Motorola with designated points of contact (list of names and phone numbers) that will be available twenty-four (24) hours per day, seven (7) days per week, and an escalation procedure to enable Customer's personnel to maintain contact, as needed, with Motorola.

3.2 **LIFECYCLE MANAGEMENT SERVICES**

3.2.1 The Software License Agreement included as Exhibit A to the Primary Agreement applies to any Motorola Software provided as part of the Lifecycle Management transactions.

3.2.2 The term of this Addendum is [redacted] years, commencing on [redacted], 201[redacted]. The Lifecycle Management Price for the [redacted] years of services is \$ [redacted], excluding applicable sales or use taxes but including discounts as more fully set forth in the pricing pages. Because the Lifecycle Management is a subscription service as more fully described in the applicable Lifecycle Management Statement of Work, payment from Customer is due in advance and will not be in accordance with any Payment Milestone Schedule.

3.2.3 The System upgrade will be scheduled during the subscription period and will be performed when Motorola's system upgrade operation resources are available. Because there might be a significant time frame between when this Addendum is executed and when a System upgrade transaction is performed, Motorola may substitute any of the promised Equipment or Software so long as the substitute is equivalent or superior to the initially promised Equipment or Software.

3.2.4 Acceptance of a Lifecycle Management transaction occurs when the Equipment (if any) and Software are delivered and the Lifecycle Management services are fully performed; there is no Acceptance Testing with a Lifecycle Management transaction.

3.2.5 The Warranty Period for any Equipment or Motorola Software provided under a Lifecycle Management transaction will commence upon shipment and not on System Acceptance or Beneficial Use, and is for a period of ninety (90) days rather than one (1) year. The ninety (90) day warranty for Lifecycle Management services is set forth in the Lifecycle

Management Statement of Work.

3.2.6 In addition to the description of the Lifecycle Management services and exclusions provided in the Lifecycle Management Statement of Work, the following apply:

- a) Upon reasonable request by Motorola, Customer will provide a complete serial and model number list of the Equipment.
- b) Lifecycle Management services exclude the repair or replacement of Equipment that has become defective or damaged from use in other than the normal, customary, intended, and authorized manner; use not in compliance with applicable industry standards; excessive wear and tear; or accident, liquids, power surges, neglect, acts of God or other force majeure events.
- c) Unless specifically included in this Addendum or the Lifecycle Management Statement of Work, Lifecycle Management services exclude items that are consumed in the normal operation of the Equipment; accessories; and repair or maintenance of any transmission line, antenna, microwave equipment, tower or tower lighting, duplexer, combiner, or multicoupler. Motorola has no obligations for any transmission medium, such as telephone lines, computer networks, the internet or the worldwide web, or for Equipment malfunction caused by the transmission medium.
- d) Customer will provide Motorola with designated points of contact (list of names and phone numbers) that will be available during the performance of the Lifecycle Management services.

3.2.7 The Lifecycle Management annualized price is based on the fulfillment of the two year cycle. If Customer terminates this service during a two year cycle, except for Motorola's default, then Customer will be required to pay for the balance of payments owed for the two year cycle if a major system release has been implemented before the point of termination.

3.2.8 If Customer terminates this service and contractual commitment before the end of the [redacted] year term, for any reason other than Motorola's default, then the Customer will pay to Motorola a termination fee equal to the discount applied to the last three years of service payments related to the [redacted] year commitment.

4. PAYMENT

4.1 Unless alternative payment terms are stated in this Agreement, Motorola will invoice Customer in advance for each payment period. All other charges will be billed monthly, and the Customer must pay each invoice in U.S. dollars within thirty (30) days of the invoice date. Customer will reimburse Motorola for all property taxes, sales and use taxes, excise taxes, and other taxes or

assessments that are levied as a result of Services rendered under this Agreement (except income, profit, and franchise taxes of Motorola) by any governmental entity.

4.2 INFLATION ADJUSTMENT. For multi-year agreements, at the end of the first year of the Agreement and each year thereafter, a CPI percentage change calculation shall be performed using the U.S. Department of Labor, Consumer Price Index, all Items, Unadjusted Urban Areas (CPI-U). Should the annual inflation rate increase greater than 3% during the previous year, Motorola shall have the right to increase all future maintenance prices by the CPI increase amount exceeding 3%. All items, not seasonally adjusted shall be used as the measure of CPI for this price adjustment. Measurement will take place once the annual average for the new year has been posted by the Bureau of Labor Statistics. For purposes of illustration, if in year 5 the CPI reported an increase of 8%, Motorola may increase the Year 6 price by 5% (8%-3% base).

5. ENTIRE AGREEMENT. This Addendum, any related attachments, and the Primary Agreement, constitutes the entire agreement of the Parties regarding the subject matter of this Addendum and supersedes all previous agreements, proposals, and understandings, whether written or oral, relating to this subject matter. This Addendum may be amended or modified only by a written instrument signed by authorized representatives of both Parties. The preprinted terms and conditions found on any Customer purchase or purchase order, acknowledgment or other form will not be considered an amendment or modification of this Addendum, even if a representative of each Party signs that document.

END

REQUEST FOR PROPOSALS

Emergency Communications Dispatch Console Furniture

Owner: Moberly Police Department
 300 N. Clark Street
 Moberly, Missouri 65270

Purchaser: Randolph County Commission
 372 Highway JJ, Suite 2C
 Huntsville, Missouri 65259



PRESENTED BY

Dispatch Telecom Services (DTS), LLC
 517 Arbors Circle, Elgin, Texas

Schedule of Events	
RFP Issue Date	1/9/2023
Final Date For Questions	2/3/2023 at 4 PM
RFP Due Date	2/17/2023 at 4 PM
Anticipated Award Date	3/1/2023
Installation Completion Date	7/1/2023

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ADDENDUM 1 – Issued 2/6/2023 - RECEIVED and UNDERSTOOD



To all concerned:

DTS, LLC is pleased to provide this proposal for the Moberly Police Department Emergency Communications Center Dispatch Console Project.

Our *Prodigy* Dispatch Consoles are manufactured in Florida, USA and proudly produced with years of experience in Public Safety Communications. Our custom consoles have been designed with features that enhance the daily tasks of your communications professionals, and can improve the efficiency of your critical communication operations.

When you choose DTS, LLC and *Prodigy* products you will be directly connected to the manufacturing, planning, design, installation and continued support. Our team will personally oversee this project, providing you with the confidence that your vision will become reality from “*concept to call.*”

We have made every attempt to respond directly to all the requirements of this RFP. As you review our proposal you will see that we have provided a point by point reply to all the sections and detailed explanations where requested. In addition, we have created two conceptual room design OPTIONS, featuring both our *Prodigy 76* “cockpit” console and our *Prodigy* Horizontal consoles, as well as custom cabinetry for both CPU and communication equipment storage. Within the space available, we have also created custom cabinetry for records and personal operator storage.

This is truly a custom design, with consoles and equipment specifically developed for your unique communication center operation. You have the option to utilize and/or modify every aspect of our proposed plans to create the most relevant and distinctive adaptation of *Prodigy Custom Dispatch Consoles*. We are not a “one size fits all” manufacturer. We want the Moberly Communications Center to be exactly what you want and need, and for us all to be proud of the new center for years to come.

DTS, LLC looks forward to working with you personally on this project and stands ready to respond to any additional questions or concerns you may have.

Again, we thank you for the opportunity to present our proposal.

Sincerely,



Justin Kirkwood, DTS, LLC

President/Owner

jkirkwood@dtstx.com

254-295-6936

1.0 - GENERAL

1.01 **Project Summary**

REVIEWED and UNDERSTOOD/COMPLY

1.02 **System Responsibilities**

REVIEWED and UNDERSTOOD/COMPLY

1.03 **Site Inspection**

REVIEWED and UNDERSTOOD/COMPLY

1.04 **Addendum to Specifications**

REVIEWED and UNDERSTOOD/COMPLY

ADDENDUM 1 – Issued 2/6/2023

1.05 **Proposal Questions**

REVIEWED and UNDERSTOOD/COMPLY

1.06 **Information to be Submitted with Proposal**

REVIEWED and UNDERSTOOD/COMPLY

- a. A complete list of all equipment proposed specifying the manufacturer and individual model numbers. All equipment and component parts furnished shall be new, meet the minimum requirements stated herein, and be in operable condition at the time of delivery.

Each of the items proposed are listed by individual model numbers in the provided pricing and are manufactured by Prodigy Custom Dispatch Consoles, LLC.

- b. A list of users of the proposed equipment.

Section 3.23 Vendor Experience/References and APPENDIX C asked for a list of similar response. We have provided this information in Appendix C.

- c. Samples of pertinent contracts, warranties, and purchase or lease and maintenance agreements.

Sample warranty is provided at the end of the proposal.

1.07 **Proposals Binding**

REVIEWED and UNDERSTOOD/COMPLY

1.08 **Rejection of Proposals**

REVIEWED and UNDERSTOOD/COMPLY

1.09 **Vendor Selection**

REVIEWED and UNDERSTOOD/COMPLY.

1.10 **Terms and Conditions of Award**

REVIEWED and UNDERSTOOD/COMPLY

1.11 **Contract Award**
REVIEWED and UNDERSTOOD/COMPLY

1.12 **Delivery**
REVIEWED and UNDERSTOOD/COMPLY

1.13 **Risk of Destruction or Damage**
REVIEWED and UNDERSTOOD/COMPLY

1.14 **Installation**
REVIEWED and UNDERSTOOD/COMPLY

1.15 **Implementation**
REVIEWED and UNDERSTOOD/COMPLY

1.16 **Acceptance**
REVIEWED and UNDERSTOOD/COMPLY

1.17 **Proprietary Statement**
REVIEWED and UNDERSTOOD/COMPLY.

1.18 **Laws to be Observed**
REVIEWED and UNDERSTOOD/COMPLY

1.19 **Technical Manuals and Drawings**
REVIEWED and UNDERSTOOD/COMPLY

1.20 **Warranty**
REVIEWED and UNDERSTOOD/COMPLY

1.21 **Payments**
REVIEWED and UNDERSTOOD/COMPLY

1.22 **Service**
REVIEWED and UNDERSTOOD/COMPLY
We maintain and provide warranty service by the same personnel that complete the installations. We will also provide critical spare parts at completion of installation.

1.23 **Performance Bond**
REVIEWED and UNDERSTOOD/COMPLY

Note: This is intended to supplement the General Proposal Conditions.

2.01 Proposal Documents REVIEWED and UNDERSTOOD/COMPLY

Vendors shall submit **one (1) electronic copy via email** of the proposal as follows:

Moberly Police Department
Attn: Adam Swon
300 N. Clark Street
Moberly, MO 65270
660.263.0346
aswon@moberlypd.com

2.02 Proposal Response REVIEWED and UNDERSTOOD/COMPLY

The Vendor must provide a specific response to each of the specifications and must address the requirements of each section. The contents of this proposal, by the successful potential Vendor, shall become a contractual obligation if accepted by the Owner. All proposal prices must be valid for 90 days from response due date. Proposals may be withdrawn or resubmitted any time up to the deadline for proposal closing.

2.03 Specifications for Certain Equipment REVIEWED and UNDERSTOOD/COMPLY

Nothing in this RFP is to be construed as limiting competition, as proposals are invited by manufacturers and distributors of other equipment which equals or exceeds the performance of the specified item(s). Such proposals will be given full consideration.

2.04 Exceptions REVIEWED and UNDERSTOOD/COMPLY

Exceptions to any part of the requirements stated in this RFP must be clearly identified as exceptions. Alternatives should be stated at that point in the response.

2.05 Incurring Costs REVIEWED and UNDERSTOOD/COMPLY

The Owner is not liable for any costs incurred in replying to this RFP.

2.06 Insurance REVIEWED and UNDERSTOOD/COMPLY

All Vendors shall purchase and maintain such insurance as will protect the Vendor from claims set forth below which may arise out of or result from the Vendor's operations under the contract whether the operation be by the Vendor, by a subcontractor, or by anyone employed by them. The successful Vendor must submit prior to contract award, evidence of insurability in the amounts as specified below, (A certificate of Insurance). The Vendor must maintain said insurance until the system is accepted by the Owner.

- a. Employer's liability insurance - as provided in the applicable law.
- b. Comprehensive Public Liability:
Personal Injury - \$1,000,000
Property Damage - \$500,000
- c. Comprehensive Automobile:
Personal Injury - \$1,000,000
Property Damage - \$500,000

- d. Blanket contractual (hold harmless) protection; and for, theft, and vandalism insurance, for full value of all materials and equipment furnished by the supplier.

The Vendor, any subcontractor(s) and all employee(s) thereof shall indemnify and save the Owner and participating cities and counties, its officers, affiliates, consultants and employees from any and all claims, suits, losses, damages, or expenses on account of injuries or death of any or all persons or property damages sustained and caused by an act, omission, neglect, or misconduct of said Vendor, subcontractor(s), and employees thereof.

2.07 Independent Contractors REVIEWED and UNDERSTOOD/COMPLY

The Vendor(s) and all employees of the successful Vendor(s) shall not be considered employees of the Owner or any participating city or county while engaged in the performance of any work or services required herein and shall be Independent Contractors. Any and all claims that may arise under the State’s Workers Compensation Act on behalf of said employees, and any and all claims made by any third party as a consequence of any act of omission on the part of the work or service provided to be rendered herein shall in no way be the obligation or responsibility of the Owner.

2.08 Coordination of Activities REVIEWED and UNDERSTOOD/COMPLY

The successful Vendor(s) will coordinate all project activities with the Owner’s assigned representative. The Owner shall have the right to modify installation plans and schedules.

2.09 Installation Requirements REVIEWED and UNDERSTOOD/COMPLY

The cost of installation of all equipment requested shall be included in the proposal price as a separate item as indicated on the proposal form. Upon completion of the installation, all systems and equipment shall operate in accordance with the specifications.

2.10 Permits REVIEWED and UNDERSTOOD/COMPLY

The successful Vendor(s) shall assist the Owner in the procurement of all licenses and permits necessary to the successful completion of this project. The successful Vendor shall be responsible for any required modifications to permits and licensing.

2.11 Cost Proposal REVIEWED and UNDERSTOOD/COMPLY

The Vendor must provide clear statements describing the objectives of all proposed pre-installation and implementation planning and engineering efforts with costs. All prices shall include warranty and delivery to the Owner. Payment will be made only for equipment and services purchased under contract with the Vendor. Payment will not be made for submission of proposal or any part thereof.

2.12 Parts REVIEWED and UNDERSTOOD/COMPLY

The Vendor shall certify that it maintains a stock of replacement parts for each item included in its equipment list, and shall be in a position to replace such parts as may be required for a period consistent with the life of the equipment or for at least as long as the customer maintains support on the system.

Bidders are requested to indicate their understanding and compliance by entering YES or NO under each statement and providing any additional EXPLANATION as deemed necessary.

3.1 Overview REVIEWED and UNDERSTOOD/COMPLY

Public Safety/Emergency Communication Centers pose unique challenges and demands. Unlike an office environment, emergency communications personnel are required to manage multiple screens of information simultaneously, plus additional ancillary rack mount electronics. Additionally, emergency communications consoles are utilized 24 hours per day/ 7 days per week by many different employees, with many different physical sizes and needs. It must be recognized that this user environment will receive at least five times the use of typical office furniture each year. With this in mind, only console furniture that is specifically designed and engineered for Emergency Communication Centers will be acceptable. Office furniture systems will not be considered.

The following specifications detail the minimum requirements of the Console Furniture System. Bidders must provide a point-by-point technical response stating compliance or taking exception.

3.02 Console Modularity

The furniture must be provided from standard, previously manufactured items that have the capability of adding on to or re-configuring at a later date. Any add-on sections, such as bridges, peninsulas, and returns must be included.

Understood/Comply	YES	Explanation:
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3.03 Ergonomics

A minimum of six (6) 24-inch flat panel displays at each console must be mounted to integrated monitor supports that are secured to the sit to stand section for optimal flexibility. Adjustments must be able to be accomplished from the seated position in order to meet ADA requirements. Monitor mounts must feature multiple points of rotation allowing multiple monitors to maintain a single focal length for viewer’s eyes with a range of motion. **Refer to the desired monitor layouts in Exhibit A.**

To reduce the incidence of repetitive stress injuries, the console furniture must provide height adjustable input platforms. The engineering of the console furniture must offer comfort, safety and adjustability for the operator. The console vendor shall include statement of compliance with ANSI/HFES 2007, and ADA guidelines and requirements.

Understood/Comply	YES	Explanation:
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3.04 Structural Integrity

The console furniture shall be designed specifically for 24/7 operations in an Emergency Communication Center environment. The core serves as the primary structural foundation for the console system and must carry a minimum load rating of 1000-lbs. The console must be sturdy enough to mount all electronic accessories, including monitors, without compromising the integrity of the system. The structure should be free standing and not rely on walls for support.

Understood/Comply	YES	Explanation:
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3.05 Technology

At a minimum each console must be designed to accommodate **five (5) CPUs**, the Electronics cavity storage provided for CPU equipment and cable routing must keep the knee space below the consoles unobstructed to allow dispatchers a full range of movement to reach necessary equipment. The Vendor will also provide 6’ extension cables for the monitors, keyboards and mouse at each workstation for up to five (5) CPU’s. Access to all sides of each CPU must be provided from the front of the console. Preference will be given to furniture with roll-out shelves to accommodate the workstation CPU’s. Cavities must have fan air circulation. Cabling chases must be designed for ease of access and incorporation of additional runs to meet future needs.

CPU List & Sizes

CPU #	Use	Dimensions (Depth x Width x Height)
1	Radio	Mid Tower Cabinet - 12” D X 6” W x 13” H
2	911	Mid Tower Cabinet - 12” D X 6” W x 13” H
3	CAD	Mid Tower Cabinet - 12” D X 6” W x 13” H
4	Admin	Mid Tower Cabinet - 12” D X 6” W x 13” H
5	Spare	Spare

Understood/Comply	YES	Explanation:
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3.06 Environmental Controls

The proposal shall describe all available environmental control options and list the costs associated with each, including, but not limited to adjustable task lighting, indirect lighting, heating, cooling, filtered airflow, sound masking system, and primary and input surface height adjustments. Environmental controls must all be readily accessible from a seated position and meet ADA requirements. User replaceable air filters should be provided for the entire standard warranty period.

Understood/Comply	YES	Explanation:
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Prodigy provides two different types of personal environments that comply with the requirements listed above and have been priced with the OPTIONS.

3.07 Acoustical Console Walls

All equipment, material and articles requested under this specification are to be new or fabricated from new materials. The use of used, remanufactured, or rebuilt products is not allowed under this specification. Acoustical walls shall be constructed with a high density, fire resistant, sound absorbing subsurface. Edges of these partitions shall be durable and replaceable. All fasteners must be completely concealed. Leveling glides shall be an integral part of the system to accommodate uneven floors.

Understood/Comply	YES	Explanation:
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3.08 Surfaces

All primary work surfaces, input platforms, and extension surfaces shall be constructed of durable materials that will withstand the 24-hour use environment of an Emergency Communication Center. Primary work surfaces and extensions shall include cable drop areas for access into the fixed electronics cavities. All edges must be treated in a replaceable high impact edging material.

a. Monitor Surfaces & Monitor Mounting Structure

The monitor mounting surface and structure should be height adjustable with smooth, quiet motorized control. The operator must be able to make all monitor adjustments from either a standing or sitting position. At least one inch safety clearance between all moveable and fixed surface is required. A safety system should be in place to prevent accidental lowering of the unit when it is taken off-line or service. Proposers are encouraged to propose the ability for users to quickly adjust monitor and keyboard surfaces to personally present heights.

These surfaces must be non-porous, non-glare and of high pressure laminate or solid surface materials of standard color (meaning items readily available or no "special order" materials). Surfaces should be mark, stain and scuff resistance and easy to maintain and clean. All corners and edges will be rounded and properly finished in similar solid surface materials.

The surface and/or monitor mounting structure must be able to be pulled forward or pushed back for operator comfort. There is no preference for this capability to be motorized or non-motorized. The unit must be able to accommodate up to six (6) 24-inch monitors without obstructing the view. The monitor surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface and mounting structure must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weights of the surface and components. Additionally we encourage the proposer to address considerations of bracket rack mounted monitors, possible dual stacked, fixed mounted and/or articulating arm.

b. Keyboard Surface

The keyboard surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weight of the surface and components. The keyboard surface must accommodate two standard-size keyboard and one keypad for telephone functions and meet or exceed ANSI/HFES requirements.

Understood/Comply	YES	Explanation:
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3.09 Pedestals and Accessories

Drawer hardware must be full extension, precision ball bearing construction with a minimum 100 lb. load rating per drawer. All file drawers must have built-in hanging file capability. All doors must include full articulation door hardware to accommodate uneven floors. The pedestals shall be finished on all sides for use outside the console, and be equipped with dual-wheel front-locking casters. Cushion seating should be available as options and should be rated for 300 lbs. At a minimum, the following options should be made available:

- Bookcases
- File Drawers
- Box Drawers
- Lateral File Drawers

Understood/Comply	YES	Explanation:
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3.10 Edge Material

Replaceable vinyl edging material shall be a minimum 2mm thick thermoplastic vinyl extrusion with self-healing properties against abrasion for all undercarriage, pedestals, and primary surfaces, and a minimum 13mm thick for all input platforms.

Understood/Comply	YES	Explanation:
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3.11 Equipment Enclosures

Equipment enclosures must include EIA mounting rails front and rear. Each console should include at a minimum 4 racks each 19" deep X 22" wide X 8" high. Blank faceplates accenting or matching surrounding finish must be included with each rack. At a minimum, the following options should be made available:

- Interior task lighting to equipment cabinetry
- Access to CPUs/cabling from front and back
- Quiet blowing ventilation for equipment cabinetry

Understood/Comply	YES	Explanation:
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3.12 Laminates

High pressure must meet ANSI/ASME A 17.1; 1986 requirements for Class "B" laminate, providing a non-glare matte finish. Thermally Fused Laminate must meet NEMA LI-1-1998. Low Pressure Laminate is not acceptable.

Understood/Comply	YES	Explanation:
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3.13 Fabric

Abrasion resistance at a minimum shall meet ASTM D-3597 MVPTS-198 standards. The flammability requirements shall adhere to ASTM E-84 (Tunnel Test) or Class A or 1 and the State of California Technical Bulletin 117 Sec. E (SC-191-53).

Understood/Comply	YES	Explanation:
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3.14 Sit to Stand Base and Input Platform

The following specifications shall apply to the Console Furniture base and keyboard platform.

a. Primary Surface

Components shall be UL listed. The motor/gear drive system must have a 700 lb. gross weight-lifting capacity, including the surface, input platform, and input platform mechanism. Design must accept uneven load distribution. Range of travel will need to accommodate a low of 24-inches to a high of 46-inches, infinitely adjustable within the 22-inch range.

b. Input Platform

The Input Platform shall be designed to provide un-obstructed knee clearance in the seated operating position in accordance with ANSI standards. Platform must be tested to 250 lbs. Input Platform must be secured to the primary surface by metal-to-metal connection utilizing steel plates and bolts, no wood screws will be acceptable.

c. Unified Frame

Sit-to-stand base must be designed with a footprint to allow maximum stability based on the overall size of the Flat Screen primary surface. The entire console must be tied together so that there will be no movement of the primary surface away from the remainder of the console. It must meet ANSI/HFS standards and ADA requirements for foot and leg clearance. There must not be any obstructions for side-to-side movement within the footprint of the console. Leveling glides shall be an integral part of the system to accommodate uneven floors.

d. Adjustments

All adjustments for the sit-to-stand base and input platform shall be attained from the front of the input platform or the front of the primary surface and shall be able to be adjusted from either the seated or standing position with the use of one hand to meet ADA requirements.

Understood/Comply	YES	Explanation:
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3.15 Electrical and Cable/Wire Management

Every console must include an electrical system to be connected to the building's electrical and grounding systems with a **minimum of 24 AC outlets** configured to accommodate power transformer plugs.

Each console must include options for user-accessible voice and data connections. All data and voice paths must be completely segregated from the power management systems. Each console shall have a **minimum of 6 data/voice outlet boxes**.

As an integral part of the cable management, the Vendor shall include a minimum **twenty-four (24) port patch panel** that will allow for the connection of up to twelve (12) ethernet cables from the 911/radio IT room to the electronic components installed into the furniture.

A cable management system must be provided that allows for independent movement among the monitor and keyboard surfaces. The system must minimize the wear and tear on the traveling cables by keeping them separated as well as enclosed. No operator intervention is to be required. The proposer is to provide all cable management within, under and on the console.

Cavity illumination should be offered as an option.

Understood/Comply	YES	Explanation:
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3.16 Task Lighting

Ambient light levels will be very dim and task lighting incorporated in the consoles will be the primary source of lighting for dispatchers and call takers. Lighting solutions must provide 100% of the required light at each workstation and provide user controlled, infinite dimming variability. Please specify the lighting you will supply. Provide its expected life and rated lumen output. Also list and price any other lighting options you have available under a "Lighting Options" section.

Understood/Comply	YES	Explanation:
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3.17 Headsets/Speakers

Each console must support dual headset jacks for both radio and telephone. Describe how your console will accommodate that. Also, small cube speakers with individual power supplies for selected and unselected radio traffic needs to be accommodated on the console surface. Describe how this would be accomplished.

Understood/Comply	YES	Explanation:
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3.18 Storage Cabinets

Each console will be equipped with additional drawer units for storage of personal items and work items at the various positions. The cabinet would be able to be housed under the keyboard and monitor surfaces while they are in the fullest downward position, or to the side. The drawers should match the color and design of the console. Describe your offering.

Understood/Comply	YES	Explanation:
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3.19 Resource Storage

Describe the option to provide an easily accessible cabinet to store resource materials. These could be books of procedures or maps of campus areas. Multiple consoles would share these resources, depending upon room layout.

Understood/Comply	YES	Explanation:
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3.20 Accessories

Vendor shall offer a full complement of accessories to be available including:

- Environmental controls
- Cooling Capability (per workstation)
- Heating Capability (per workstation)
- Task Lighting (per workstation)
- Interior PC Cavity Lighting (per workstation)
- Foot Rests (per workstation)
- Wrist Rests (per workstation)
- Call Status Indicator Light
- Workstation Accent Lighting (side panels and under work surface)
- Shared Storage Solutions

Understood/Comply	YES	Explanation:
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3.21 Design Considerations

Each Vendor must submit a floor plan to scale, showing each item being proposed. In addition, perspective drawings will be required in the submittal with dimensions of height, width, and depth in order to determine compliance with the specifications. All accessories being proposed must be shown in these drawings. Customer provided electronics such as flat Screens, telephones, CPUs, and rack mount panels must be shown, to scale, in the 3-dimensional/perspective drawings. Labeled cut away or exploded illustrations of acoustical walls, primary surface, and sit to stand base should be included.

Colors are to be selected from manufacturer’s standards. At a minimum one full set of laminate, edge, and fabric samples must be submitted with the proposal. It will be necessary to provide color Owners and/or color renderings at the pre-construction conference to make a final decision.

Understood/Comply	YES	Explanation:
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3.22 Pre-Installation Conference

Upon award of contract to a successful bidder and prior to installation, a pre-installation conference will be held. The conference shall be attended by the manufacturer’s representative, Owner’s representation and Consultant.

Understood/Comply	YES	Explanation:
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3.23 Vendor Experience/References

The “Console Furniture” to be supplied shall have a proven record of use within the harsh 24-hour operating environment of public safety dispatch centers, specifically of similar size to this request. A list of no less than five (5) sites installed of like size must be included with the proposal, complete with contact name, address, phone, email, date of installation and size of installation. If bidder is not the manufacturer of all major components, such as surfaces, console walls, environmental controls, and lift systems, then the bidder must specify which manufacturer is being used and include their reference information and past experience to determine qualified status.

Understood/Comply	YES	Explanation: Please see Appendix C
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3.24 Warranty/Service Response

The console furniture must be warranted to be free from defects in material and workmanship for five (5) years based on 24/7 usages with a lifetime warranty on the frame. This must be an all-inclusive warranty and will need to cover 100% of the console furniture for the entire 5-year period. Warranty must include all product, freight, and installation.



Moberly Police Department
ECC RFP Response

WS #2.

Bidders must supply a copy of their minimum all-inclusive 5-year warranty with the name, contact, and phone number of the service organization providing the service response, signed by an authorized representative of the Company.

All service and warranty work must be initiated within a minimum of 48 hours after notification. Describe who would be performing the service work, their location and their connection to your company.

Understood/Comply	YES	Explanation: Please refer to the document provided at the end of this response for our standard Warranty.
--------------------------	------------	--

3.25 Lead Time & Installation

Lead-time could be a critical factor. Bidders must present their best lead-time to design, manufacture, ship, and install the console workstation system.

Shipping must be direct to the facility, inside delivery, unless otherwise noted.

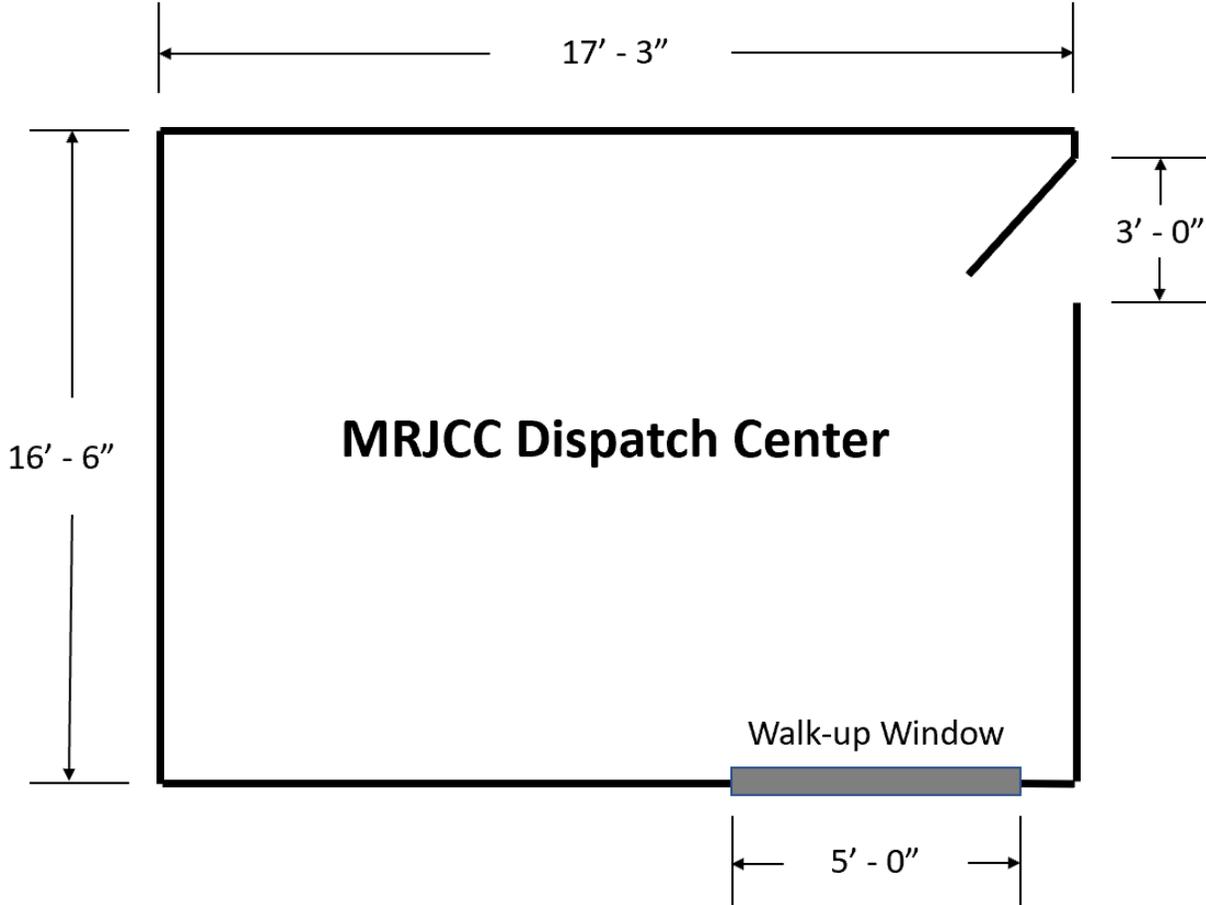
Trained professionals experienced with the working environment of a public safety communication center must perform the installation. Only the manufacturer’s factory installers or their trained and authorized designees shall assemble and install the workstations. The installation team is responsible for the removal of all new furniture packing materials.

Once the installation is complete, a “walk-through” will be required with the installation Foreman in order to ascertain full compliance to the floor plan, console design, and materials specified. Any inconsistencies will be noted and must be scheduled for completion prior to sign off of the project.

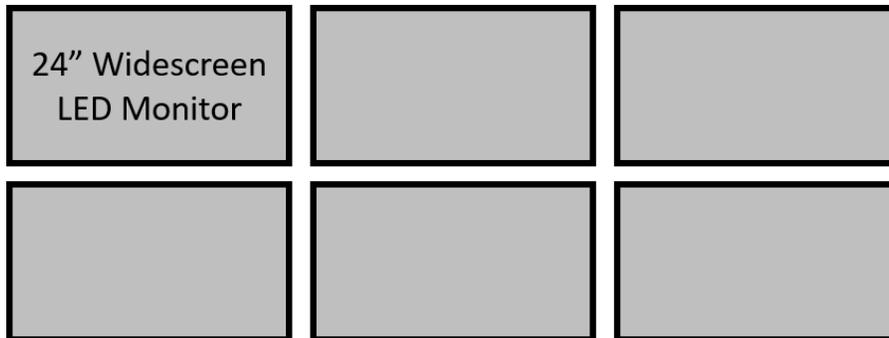
Each proposer is to include training on the use of the new consoles during installation.

Understood/Comply	YES	Explanation:
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APPENDIX A – ROOM and WORKSTATION MONITOR LAYOUT
 Moberly Police Department



Planned Monitor Configuration



REVIEWED and UNDERSTOOD/COMPLY

APPENDIX B – COST FORM
THIS TABLE TO BE SUBMITTED WITH PROPOSAL RESPONSE

Moberly Police Department

Layout OPTION ONE

Description	Units	Unit Cost	Total Cost
Console, Panels, CPU, Cabinets as shown	3	\$ 16,738.80	\$ 50,216.40
Integrated Monitor Mounting (per workstation)	3	\$ 1,230.00	\$ 3,690.00
Interior Cavity Ventilation (CPU Cabinets)	3	included	included
6' Extension Cables for Keyboard/ Monitor/Mouse (5 per workstation)	3	\$ 462.00	\$ 1,386.00
Shipping	1	\$ 4,905.00	\$ 4,905.00
Installation Services	1	\$ 5,000.00	\$ 5,000.00
Breakdown & Removal of Existing Furniture	1	\$ 4,800.00	\$ 4,800.00
TOTALS			\$ 78,103.40

Layout OPTION TWO

Description	Units	Unit Cost	Total Cost
Console, Panels, CPU, Cabinets as shown	3	\$ 19,617.54	\$ 58,852.64
Integrated Monitor Mounting (per workstation)	3	\$ 1,230.00	\$ 3,690.00
Interior Cavity Ventilation (CPU Cabinets)	3	included	included
6' Extension Cables for Keyboard/ Monitor/Mouse (5 per workstation)	3	\$ 462.00	\$ 1,386.00
Shipping	1	\$ 4,905.00	\$ 4,905.00
Installation Services	1	\$ 5,000.00	\$ 5,000.00
Breakdown & Removal of Existing Furniture	1	\$ 4,800.00	\$ 4,800.00
TOTALS			\$ 78,807.64

OPTIONAL ELEMENTS

Description	Units	Unit Cost	Total Cost
Performance Bond	1	\$ 3000.00	\$ 3000.00
Task Lighting (per workstation)	1	\$ 225.00	\$ 225.00
Cooling Capability (per workstation)	1	\$ 1,320.00	\$ 4,020.00
PRODIGY Comfort System heat & cool		All in one	Prodigy
Interior Cavity Lighting (per workstation)	1	\$350.00	\$350.00
Foot Rests (per workstation)	1	\$ 175.00	\$ 175.00
Wrist Rests (per workstation)	1	\$ 150.00	\$ 150.00
Call Status Indicator Light	1	\$ 475.00	\$ 475.00
Workstation Accent Lighting	1	\$ 275.00	\$ 275.00
Shared Storage Solutions	1	Request size	Request size
Seating	3	\$ 1,687.00	\$ 5,061.00

Prodigy Cost Detail

The following is a list of our products being offered in the provided **OPTIONS** and pricing:

OPTION ONE

PROD-76-HCZ	Prodigy 76 Console - Dual Surface Horizontal. Standard Duty Base (380lb Static Load capable Monitor & Keyboard Surfaces) Powder coated metal sub-frame w/ Standard Duty Base. 4" Cable Management Chain between work surfaces. Horizontal Cable Mgmt. 4..2-20Amp Power Bars under the monitor - focal platform
PROD-76-HZ Panel	Prodigy 76: Horizontal Panel System
PROD-76-DMS	Prodigy 76 Data Mgt System
PROD-76-W	Wood Side CPU-2 Door CPUw/Top lift 30Wx36Dx20H
PROD-76-PP	Personal Pedestal: 16Wx20Dx20H
PROD-76-1DF	3 Drawer File Cab 24Wx36Dx30H
PRO-0-3MA	3x3 Monitor Array
PROD-76-PCS	Prodigy 76 Personal Comfort System

OPTION TWO

PROD-76-HZC	Prodigy 76 Dual Surface Horizontal Console
PROD-64-CSL	Prodigy 64 Console
PROD-76-IDF	1 drwr 1D filing cabinet 18x36x30
PROD-76-W	Wood Side CPU-2 Door CPUw/Top lift 30x36x30
PROD-76-HZ Panel	Prodigy 76 Horizontal Panel System
PROD-64-PS	Prodigy 64 High Panel System
PROD-76-3DF	3 Drawer File Cab 27x36x30
PROD-76-1DF	1 Drwr, 2 Dr filing Cab 27x36x30
PROD-0-4MA	4X4 Monitor Array
PROD-0-3MA	3x3 Monitor Array
PROD-76-PCS	Prodigy 76 Personal Comfort System
PROD-64-PCS	Prodigy 64 Personal Comfort System



APPENDIX C – REFERENCES

THIS PAGE TO BE SUBMITTED WITH PROPOSAL RESPONSE

Moberly Police
Department

List of Reference Contacts

Prodigy manufactures and assembles all the components, panels and cabinetry for our dispatch console systems.

We use the following component manufacture for our lift systems actuator and controllers.

Linak US, 2200 Stanley Gault Parkway, Louisville, KY 40223

We use the following component manufacture for our personal comfort system and controllers.

Air Innovations, 7000 Performance Drive, North Syracuse NY 13212.

SUBMIT FIVE REFERENCES

Customer Name University of Nebraska Police Department

Address 300 N 17th Street, Lincoln, Ne 68588

Telephone Number 402-472-2222

Contact Person and E-Mail Sara Haake / sara.haake@unl.edu

Type of System Prodigy 76 Sit/Stand w/Personal Environment

Date Completed 02/06/2023

Customer Name Fillmore County Sheriff's Office

Address 900 G Street, Geneva, NE 68361

Telephone Number 402-759-4441

Contact Person and E-Mail Jean Engle / fcema@fillmorecountyne.gov

Type of System Prodigy 76 Horizontal Sit/Stand

Date Completed 02/09/2023



Customer Name Florida State University Police Dept.

Address 830 w. Jefferson St, Tallahassee, FL 32304

Telephone Number 850-644-1234

Contact Person and E-Mail Capt. Jason [Trumbower - jtrumbower@fsu.edu](mailto:jtrumbower@fsu.edu)

Type of System Prodigy 76 Horizontal Sit/Stand

Date Completed 12/15/2020

Customer Name Parsons Police Department

Address 217 N Central, Parsons, KS 67357

Telephone Number 620-421-7801

Contact Person and E-Mail Sup. Marty Shields mshields@parsonspd.com

Type of System Prodigy 76 Horizontal Sit/Stand

Date Completed 02/15/2021

Customer Name NJT, New Jersey Transit Authority

Address 180 Boyden Ave, Maplewood NJ 07040

Telephone Number 973-378-6543

Contact Person and E-Mail Fred Shandler Fshandler@NJTransit.com

Type of System Prodigy 76 Sit/Stand

Date Completed 01/15/2023



WS #2.



Project:
Moberly PD

Option 1 -
Horizontal 76

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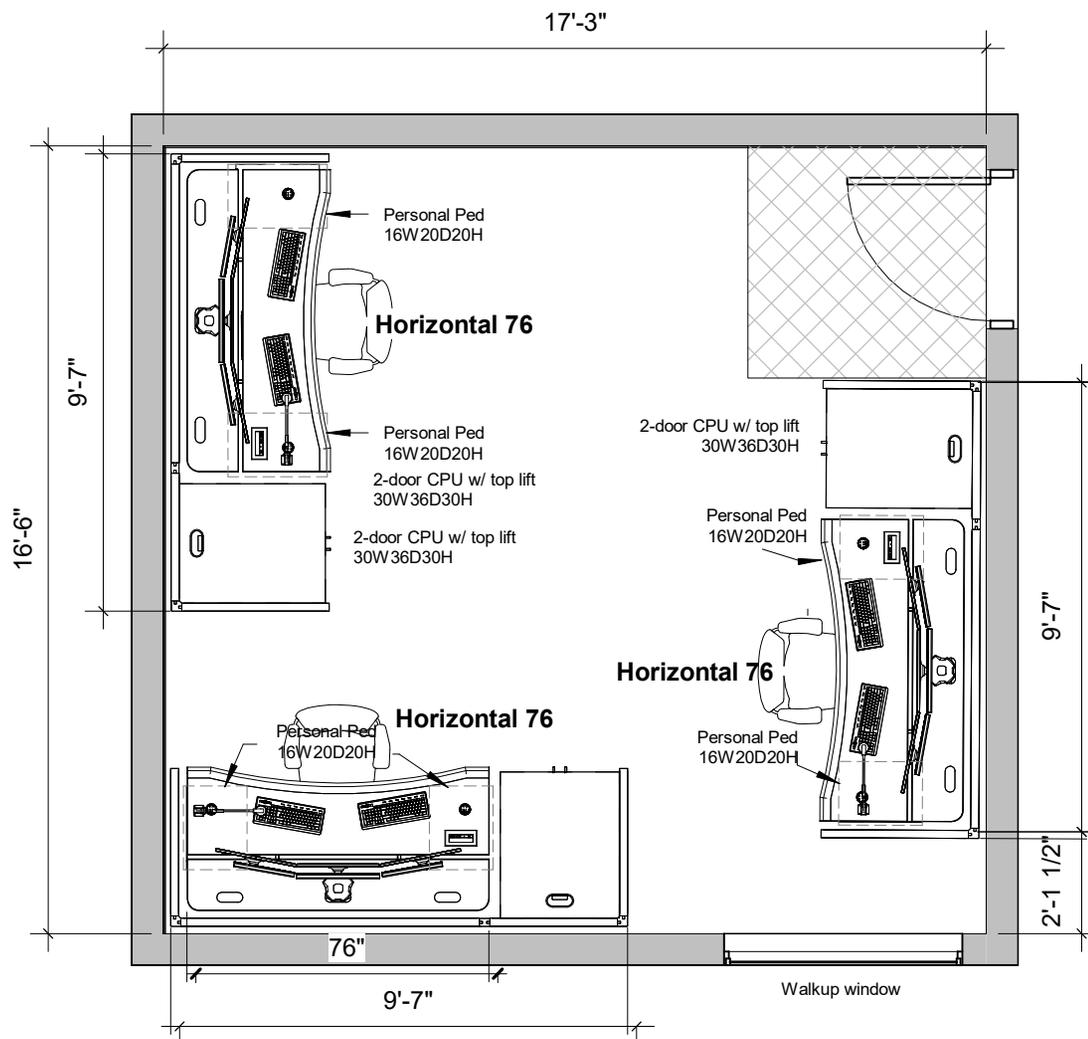
517 Arbors Circle,
Elgin, Texas 78621
Phone: (254)295-6936
Email: jkirkwood@dtstx.com

Drawing #: A2.0

Date: 2-15-23

Drawn by: J.L.

Scale:

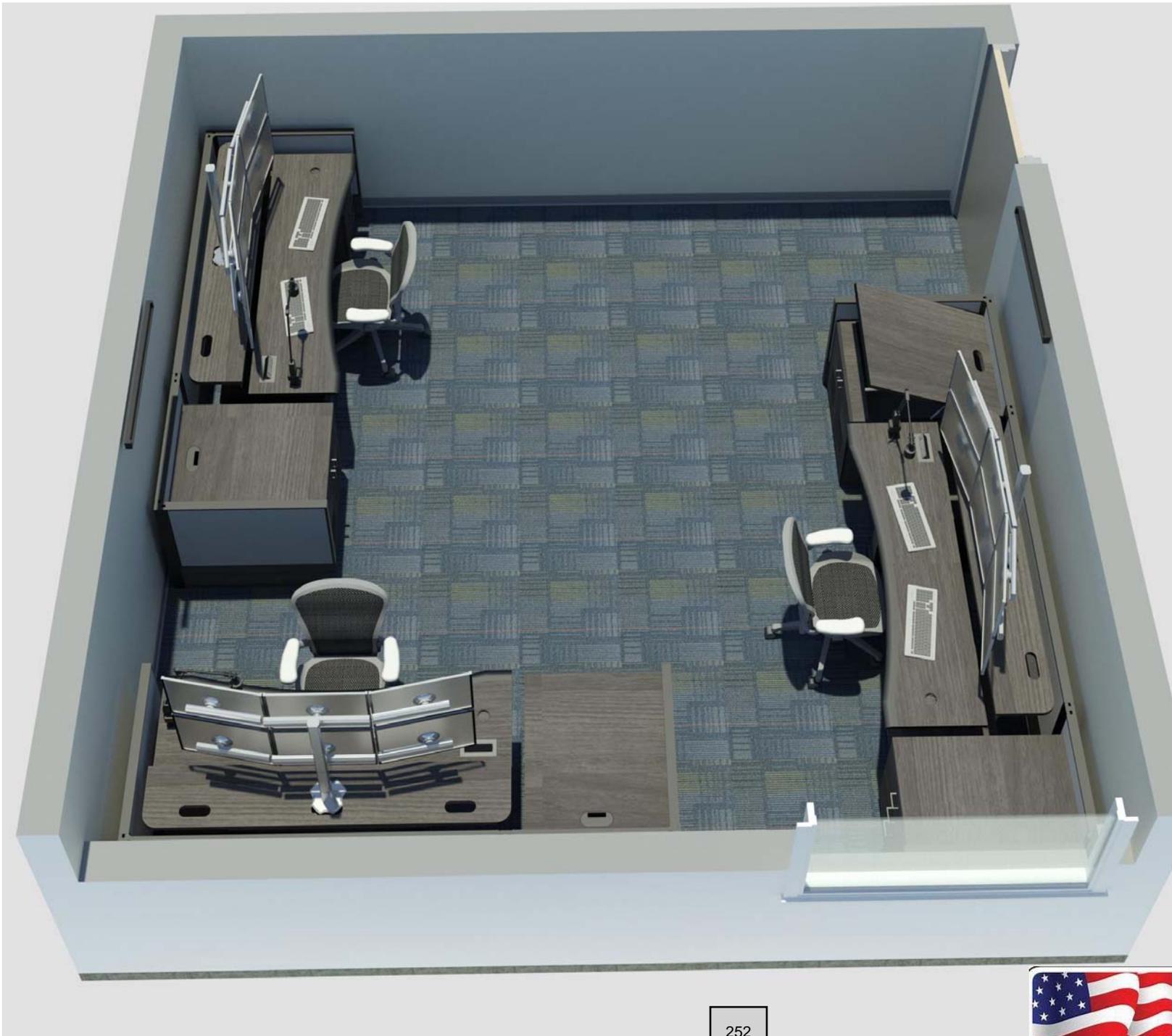


All panels are 36"H

FLOOR PLAN
SCALE: 1/4"=1'-0"

251





WS #2.



Project:
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Option 1 - Aerial

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Email: jkirkwood@dtstx.com

Drawing #: A2.1

Date: 2-15-23

Drawn by: J.L.

Scale:

252





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Option 1 - Aerial
ALTERNATE
positioning

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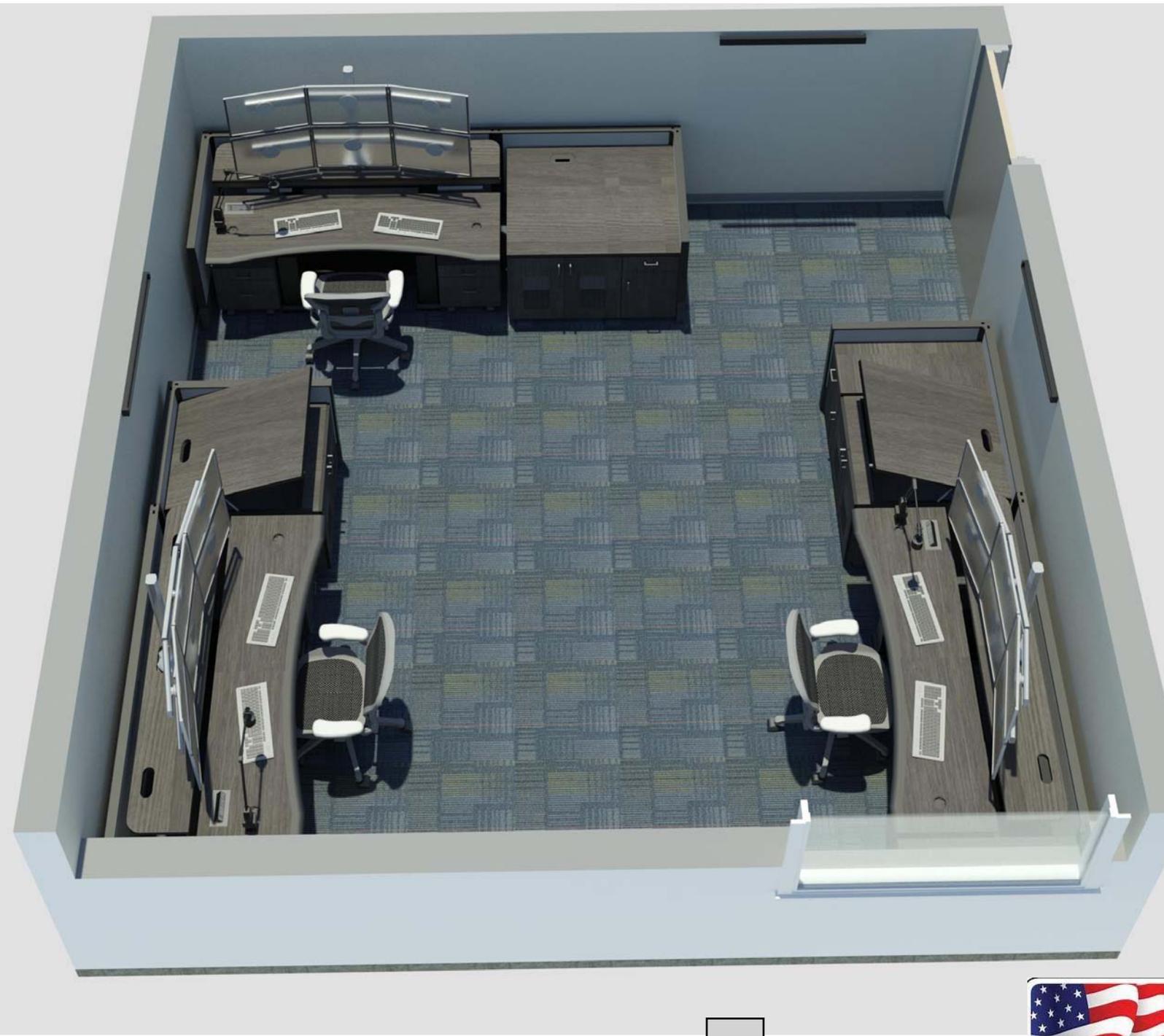
517 Arbors Circle,
Elgin, Texas 78621
Phone: (254)295-6936
Email: jkirkwood@dtstx.com

Drawing #: A1.1

Date: 2-15-23

Drawn by: J.L.

Scale:



253





CPU cabinet / top lift

36H" Panel w/ fabric

Personal Ped



WS #2.



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Horizontal 76

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Phone: (254)295-6936
Email: jkirkwood@dtstx.com

Drawing #: A2.3

Date: 2-15-23

Drawn by: J.L.

Scale:

254





WS #2.



Project:
Moberly PD

Horizontal 76 - 2 tier -
Details

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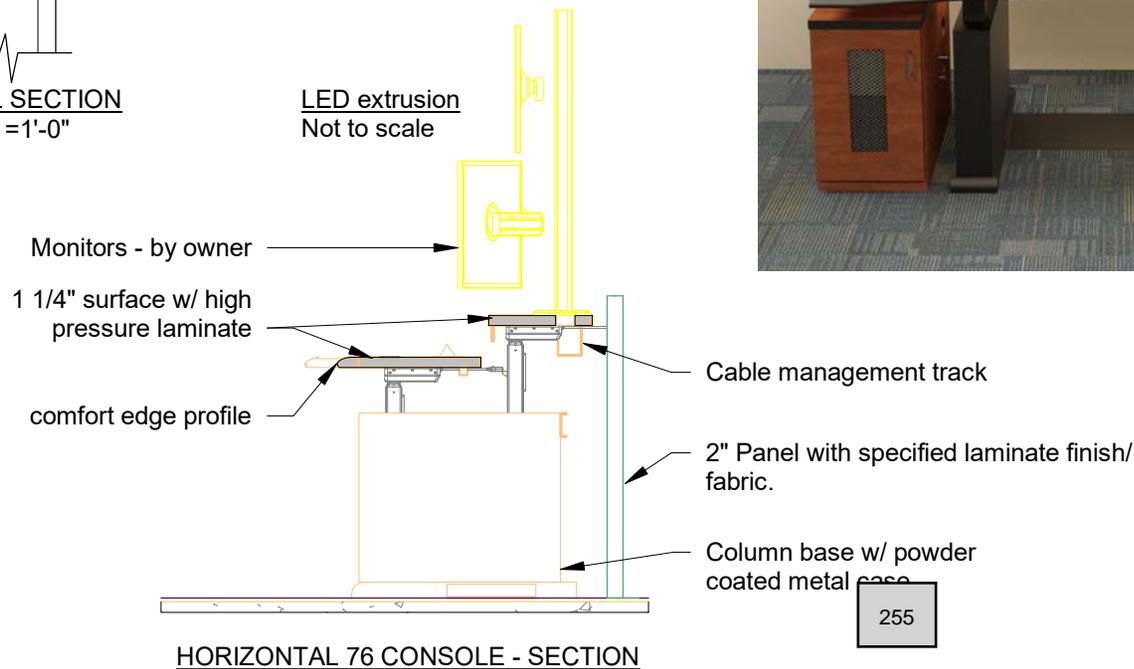
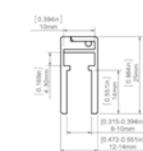
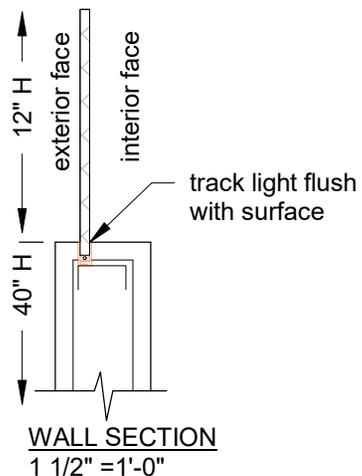
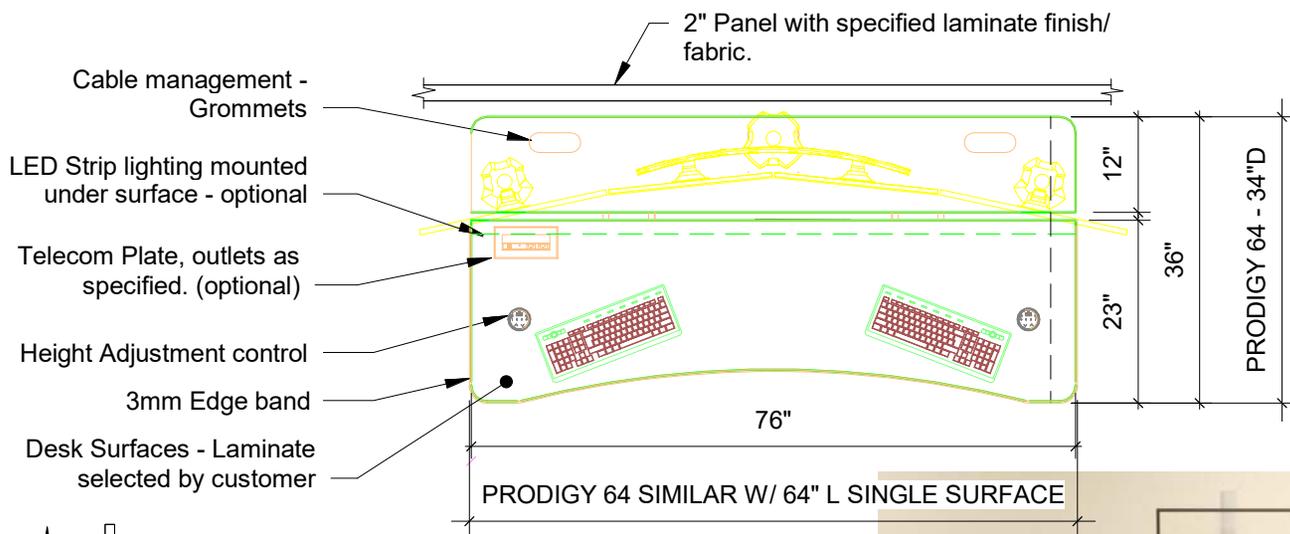
517 Arbors Circle,
Elgin, Texas 78621
Phone: (254)295-6936
Email: jkirkwood@dtstx.com

Drawing #: **A2.4**

Date: **2-15-23**

Drawn by: **J.L.**

Scale:



255





WS #2.



Project:
Moberly PD

Option 2 - Prodigy 64
w/Horizontal 76

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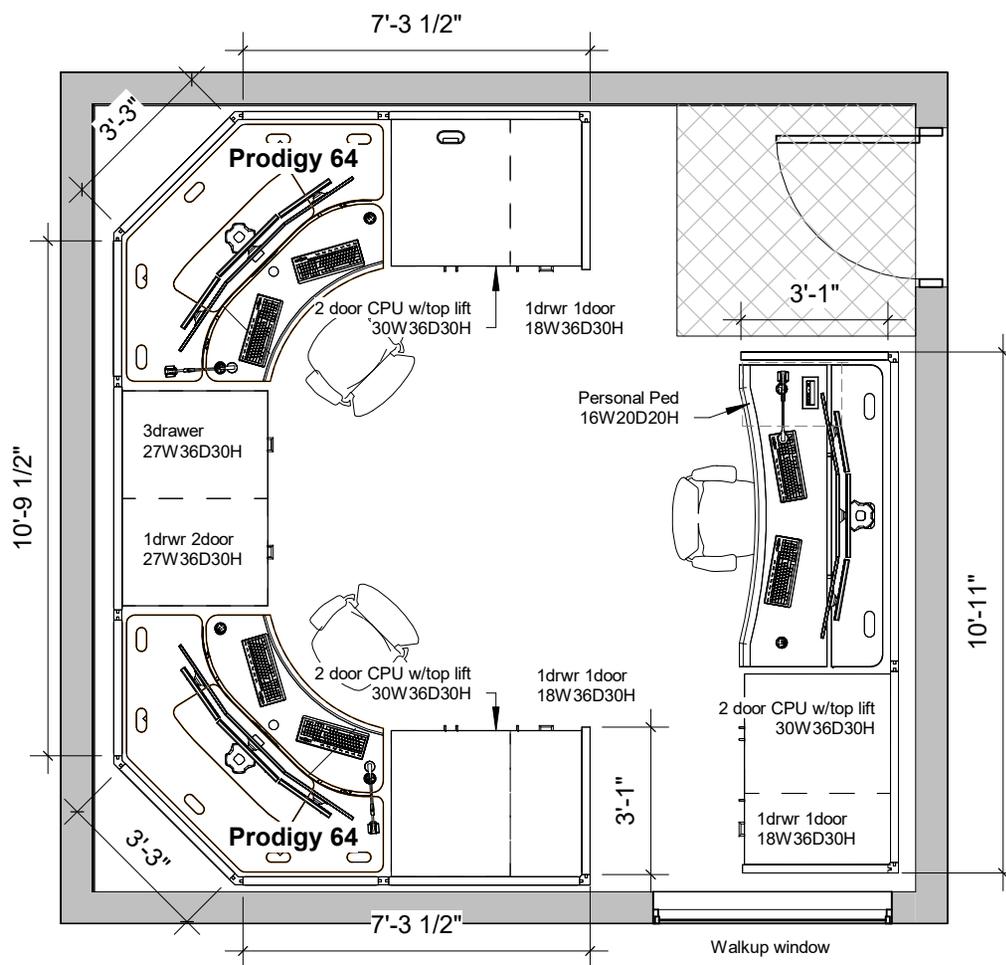
517 Arbors Circle,
Elgin, Texas 78621
Phone: (254)295-6936
Email: jkirkwood@dtstx.com

Drawing #: A3.0

Date: 2-15-23

Drawn by: J.L.

Scale:



All panels are 36"H except endpanels at walkup window that is 32"H

FLOOR PLAN
SCALE: 1/4"=1'-0"

256





WS #2.



Project:
Moberly PD

Option 2 - Aerial

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Email: jkirkwood@dtstx.com

Drawing #: A3.1

Date: 2-15-23

Drawn by: J.L.

Scale:

257





WS #2.



Project:
Moberly PD

Option 2 -
Interior View

THIS DRAWING AND DESIGN ARE THE PROPERTY OF 911 DIRECT HOLDINGS, LLC. AND MUST NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION FROM 911 DIRECT HOLDINGS, LLC.



517 Arbors Circle,
Elgin, Texas 78621
Phone: (254)295-6936
Email: jkirkwood@dtstx.com

Drawing #: A3.2

Date: 2-15-23

Drawn by: J.L.

Scale:



258





WS #2.



Project:
Moberly PD

Prodigy 64 - Details

THIS DRAWING AND DESIGN ARE THE PROPERTY OF 911 DIRECT HOLDINGS, LLC. AND MUST NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION FROM 911 DIRECT HOLDINGS, LLC.



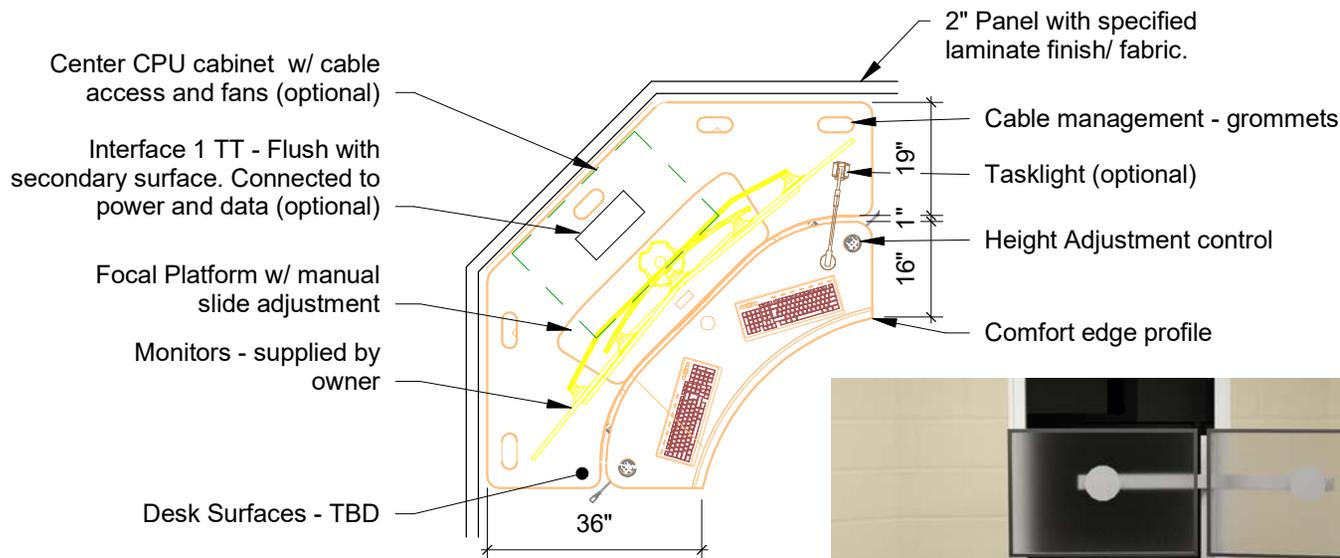
517 Arbors Circle,
Elgin, Texas 78621
Phone: (254)295-6936
Email: jkirkwood@dtstx.com

Drawing #: A 3.3

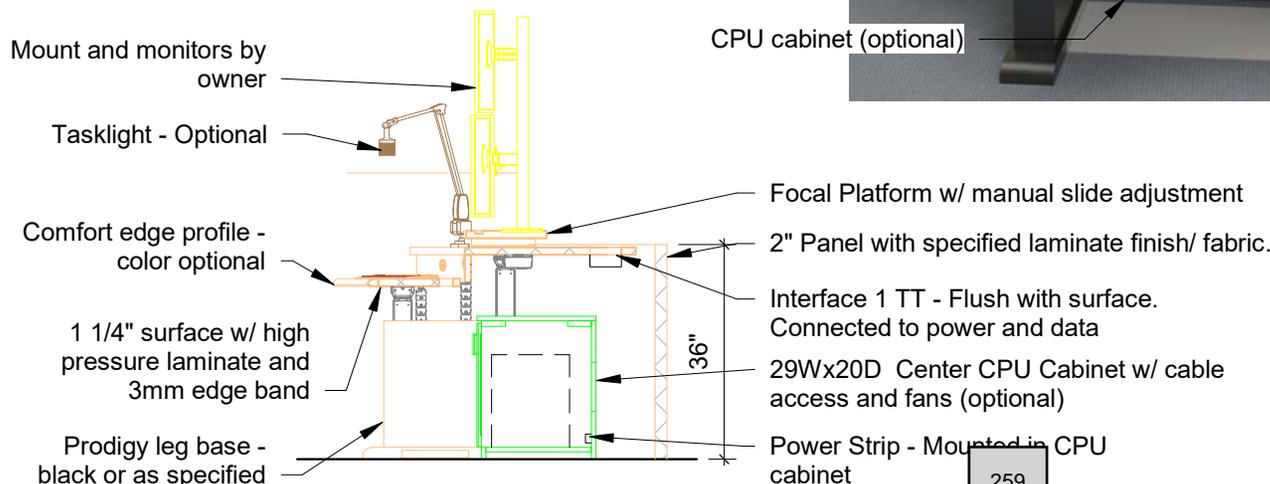
Date: 2-15-23

Drawn by: J.L.

Scale:



PRODIGY 64 - Standard features



PRODIGY 64 -SECTION

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APPENDIX E - PROPOSAL EVALUATION CRITERIA

DISPATCH FURNITURE PARAMETERS
 Moberly Police Department

All quotes will be evaluated based on the following criteria.

Criterion	Points
Technical Requirements Compliance	400
Qualifications & Experience	400
Cost	100
Preference Points	100
Total Possible Points	1,000

REVIEWED and UNDERSTOOD/COMPLY

NOTE: There was no APPENDIX D provided with the ORIGINAL RFP DOCUMENT

NOTE: The PASS THROUGH WINDOW was not clearly explained as to access requirements Our layouts and proposed equipment can be modified to accomodate that need,

NOTE: The requirement for rack mounted equipment was not identified or listed within SECTION 3. All our proposed CPU Storage can accomodate rack mounting and comes with cooling fans and interior lighting as a standard feature.



Warranty

Prodigy Dispatch Consoles

Warranty Information for Furniture Consoles

Prodigy Custom Console Manufacturing, 2836 B Industrial Plaza Drive, Tallahassee, Florida, gives the following written warranty for each new unit of product manufactured and sold in USA or outside USA by Prodigy Custom Console Manufacturing Holdings, LLC (hereinafter referred to as the "Product").

Prodigy Custom Console Manufacturing Holdings, LLC warrants to the original retail purchaser only, that the product is free, under normal use and maintenance, from any defect in material and workmanship subject to the terms and conditions set out below.

WARRANTY

If any defect should be found in the following parts or components during the periods as set out below from the date of delivery to the original retail purchaser, the defective part or component will be repaired or replaced at 911Direct's discretion with a new part or component of the Prodigy Custom Console Manufacturing equivalent, at no cost to the original retail purchaser for the part or component.

<u>Part or Component</u>	<u>Warranty Period</u>
Mechanical Height Adjustable and Plastic Laminated Components	10 Years
Electrical Components	10 Years

Prodigy Custom Console Manufacturing reserves the right to inspect any part or component alleged to be defective and so repair or replace the defective part only after acknowledging that such defect is due to faulty material or workmanship at the time of manufacture.

THIS WARRANTY DOES NOT COVER:

- a) the product if it has been tampered with, adjusted, altered, or repaired by any person other than Prodigy Custom Console Manufacturing or a service facility authorized by Prodigy Custom Console Manufacturing to render such service;
- b) any repairs required as a result of defects caused by misuse, abusive operation, negligence, accident, improper use and/or insufficient care;
- c) any repairs required as a result of damage caused during transit, storage, or installation, or damage caused by environmental conditions;
- d) normal wear and tear, as determined by Prodigy Custom Console Manufacturing;
- e) materials or special orders specified or required by the original retail purchaser that are not standard Prodigy Custom Console Manufacturing materials or design; or with the exception of those parts or components listed on this page, any parts or components, howsoever attached or incorporated in the product, manufactured by any other manufacturer

ENTIRE WRITTEN WARRANTY

This warranty constitutes the only and entire written warranty given by Prodigy Custom Console Manufacturing Holdings, LLC for the product and no authorize Prodigy Custom Console



Manufacturing representative, dealer, or their agents or employees are authorized to extend or enlarge this warranty on behalf of Prodigy Custom Console Manufacturing by any written or oral statement or advertisement.

DISCLAIMER OF LIABILITY

To the extent permitted by law, Prodigy Custom Console Manufacturing Holdings, LLC disclaims any liability whatsoever for losses, costs, expenses, liabilities, injuries and damages, including use of or loss of the product, inconvenience and commercial loss, whether direct or indirect, incidental or consequential, arising out of or related to the use or sale of the product.

TO OBTAIN WARRANTY SERVICE

To present a claim under this warranty, the original retail purchaser must advise Prodigy Custom Console Manufacturing, in writing, citing the product, date of delivery and alleged defect. Prior to any warranty service being undertaken, written authorization must be obtained from Prodigy Custom Console Manufacturing.

The product will be inspected;

- a) by Prodigy Custom Console Manufacturing or an authorized service representative on site;
- b) at Prodigy Custom Console Manufacturing request, and at the original retail customer's expense, at the Prodigy Custom Console Manufacturing factory. If the product is found to be defective, it will be repaired or replaced pursuant to the terms of this warranty and the product will be shipped to the customer at Prodigy's expense.

MOBERLY POLICE DEPARTMENT

EMERGENCY COMMUNICATIONS DISPATCH CONSOLE FURNITURE

Response to Request for Proposals - Submittal Date: February 17, 2023 @ 4:00PM CST

CONSOLE PROPOSAL SUBMITTAL PACKAGE



SUBMITTED TO:

Moberly Police Department
300 N. Clark Street
Moberly, MO 65270

Mr. Adam Swon

T: 660-263-0346

E: aswon@moberlypd.com

SUBMITTED BY:

Adaptaspace Inc.
6423-30th Street SE
Calgary, AB T2C 1R4

Eugene Armbruster

Regional Sales Manager

M: 403-888-2855

E: earmbruster@adaptaspace.com

MOBERLY POLICE DEPARTMENT

EMERGENCY COMMUNICATIONS DISPATCH CONSOLE FURNITURE

Response to Request for Proposals - Submittal Date: February 17, 2023 @ 4:00PM CST

SECTION 1.0 – REQUIRED SUBMISSION DOCUMENTS

APPENDIX B – DETAIL PRICING SCHEDULE

THIS TABLE TO BE SUBMITTED WITH SUBMISSION RESPONSE

Moberly Police Department

Mandatory Elements

Description	Units	Unit Cost	Total Cost
Sit to Stand Workstations	3	\$13,370.00	\$40,110.00
Integrated Monitor Mounting (per workstation)	3	\$ 4,212.00	\$12,636.00
Interior Cavity Ventilation (per workstation)	3	\$ 530.00	\$ 1,590.00
6' Extension Cables for Keyboard/ Monitor/Mouse (5 per workstation)	15	\$ 10.00	\$ 150.00
Shipping	1	\$ 2,875.00	\$ 2,875.00
Installation Services	1	\$ 4,025.00	\$ 4,025.00
Breakdown & Removal of Existing Furniture	1	\$ 2,040.00	\$ 2,040.00
TOTALS			\$63,426.00

Optional Elements

Description	Units	Unit Cost	Total Cost
Performance Bond	1	\$14.00/\$1,000	\$ 887.96
Task Lighting (per workstation)	1	\$ 274.00	\$ 274.00
Cooling Capability (per workstation)	1	\$3,896.00 *	\$3,896.00 *
Heating Capability (per workstation)	1	Included with ClimatePlus Cooling as one unit	
Interior Cavity Lighting (per workstation)	1	\$ 60.00	\$ 60.00
Foot Rests (per workstation)	1	\$ 63.00	\$ 63.00
Wrist Rests (per workstation)	1	\$ 28.00	\$ 28.00
Call Status Indicator Light	1	\$ 536.00	\$ 536.00
Workstation Accent Lighting	1	\$ 360.00	\$ 360.00
Shared Storage Solutions	1	\$2,340.00 Option 1 \$1,440.00 Option 2	\$2,340.00 Option 1 \$1,440.00 Option 2
Seating (24x7 Operator Seating)	3	\$1,488.00	\$4,464.00

* Note: Heating and Cooling are combined in ClimatePlus Personal Environment unit along with task light control (task light(s) extra), white noise volume control, call status light control (status light extra) and work surface and/or monitor array height and depth adjustment controls.

SECTION 3.0 - SPECIFICATIONS

Bidders are requested to indicate their understanding and compliance by entering YES or NO under each statement and providing any additional EXPLANATION as deemed necessary.

3.1 Overview

Public Safety/Emergency Communication Centers pose unique challenges and demands. Unlike an office environment, emergency communications personnel are required to manage multiple screens of information simultaneously, plus additional ancillary rack mount electronics. Additionally, emergency communications consoles are utilized 24 hours per day/ 7 days per week by many different employees, with many different physical sizes and needs. It must be recognized that this user environment will receive at least five times the use of typical office furniture each year. With this in mind, only console furniture that is specifically designed and engineered for Emergency Communication Centers will be acceptable. Office furniture systems will not be considered.

The following specifications detail the minimum requirements of the Console Furniture System. Bidders must provide a point-by-point technical response stating compliance or taking exception.

3.02 Console Modularity

The furniture must be provided from standard, previously manufactured items that have the capability of adding on to or re-configuring at a later date. Any add-on sections, such as bridges, peninsulas, and returns must be included.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.03 Ergonomics

A minimum of six (6) 24-inch flat panel displays at each console must be mounted to integrated monitor supports that are secured to the sit to stand section for optimal flexibility. Adjustments must be able to be accomplished from the seated position in order to meet ADA requirements. Monitor mounts must feature multiple points of rotation allowing multiple monitors to maintain a single focal length for viewer’s eyes with a range of motion. **Refer to the desired monitor layouts in Exhibit A.**

To reduce the incidence of repetitive stress injuries, the console furniture must provide height adjustable input platforms. The engineering of the console furniture must offer comfort, safety and adjustability for the operator. The console vendor shall include statement of compliance with ANSI/HFES 2007, and ADA guidelines and requirements.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.04 Structural Integrity

The console furniture shall be designed specifically for 24/7 operations in an Emergency Communication Center environment. The core serves as the primary structural foundation for the console system and must carry a minimum load rating of 1000-lbs. The console must be sturdy enough to mount all electronic accessories, including monitors, without compromising the integrity of the system. The structure should be free standing and not rely on walls for support.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.05 Technology

At a minimum each console must be designed to accommodate **five (5) CPUs**, the Electronics cavity storage provided for CPU equipment and cable routing must keep the knee space below the consoles unobstructed to allow dispatchers a full range of movement to reach necessary equipment. The Vendor will also provide 6’ extension cables for the monitors, keyboards and mouse at each workstation for up to five (5) CPU’s. Access to all sides of each CPU must be provided from the front of the console. Preference will be given to furniture with roll-out shelves to accommodate the workstation CPU’s. Cavities must have fan air circulation. Cabling chases must be designed for ease of access and incorporation of additional runs to meet future needs.

CPU List & Sizes

CPU #	Use	Dimensions (Depth x Width x Height)
1	Radio	Mid Tower Cabinet - 12” D X 6” W x 13” H
2	911	Mid Tower Cabinet - 12” D X 6” W x 13” H
3	CAD	Mid Tower Cabinet - 12” D X 6” W x 13” H
4	Admin	Mid Tower Cabinet - 12” D X 6” W x 13” H
5	Spare	Spare

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.06 Environmental Controls

The proposal shall describe all available environmental control options and list the costs associated with each, including, but not limited to adjustable task lighting, indirect lighting, heating, cooling, filtered airflow, sound masking system, and primary and input surface height adjustments. Environmental controls must all be readily accessible from a seated position and meet ADA requirements. User replaceable air filters should be provided for the entire standard warranty period.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.07 Acoustical Console Walls

All equipment, material and articles requested under this specification are to be new or fabricated from new materials. The use of used, remanufactured, or rebuilt products is not allowed under this specification. Acoustical walls shall be constructed with a high density, fire resistant, sound absorbing subsurface. Edges of these partitions shall be durable and replaceable. All fasteners must be completely concealed. Leveling glides shall be an integral part of the system to accommodate uneven floors.

Understood/Comply	Comply	Explanation: Superseded by Addendum 1
See Proposal Section 4		

3.08 Surfaces

All primary work surfaces, input platforms, and extension surfaces shall be constructed of durable materials that will withstand the 24-hour use environment of an Emergency Communication Center. Primary work surfaces and extensions shall include cable drop areas for access into the fixed electronics cavities. All edges must be treated in a replaceable high impact edging material.

a. Monitor Surfaces & Monitor Mounting Structure

The monitor mounting surface and structure should be height adjustable with smooth, quiet motorized control. The operator must be able to make all monitor adjustments from either a standing or sitting position. At least one inch safety clearance between all moveable and fixed surface is required. A safety system should be in place to prevent accidental lowering of the unit when it is taken off-line for service. Proposers are encouraged to propose the ability for users to quickly adjust monitor and keyboard surfaces to personally present heights.

These surfaces must be non-porous, non-glare and of high pressure laminate or solid surface materials of standard color (meaning items readily available or no “special order” materials). Surfaces should be mark, stain and scuff resistance and easy to maintain and clean. All corners and edges will be rounded and properly finished in similar solid surface materials.

The surface and/or monitor mounting structure must be able to be pulled forward or pushed back for operator comfort. There is no preference for this capability to be motorized or non-motorized. The unit must be able to accommodate up to six (6) 24-inch monitors without obstructing the view. The monitor surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface and mounting structure must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weights of the surface and components. Additionally we encourage the proposer to address considerations of bracket rack mounted monitors, possible dual stacked, fixed mounted and/or articulating arms.

b. Keyboard Surface

The keyboard surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weight of the surface and components. The keyboard surface must accommodate two standard-size keyboard and one keypad for telephone functions and meet or exceed ANSI/HFES requirements.

Understood/Comply	Comply	Explanation: Superseded by Addendum 1 See Proposal Section 4
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3.09 Pedestals and Accessories

Drawer hardware must be full extension, precision ball bearing construction with a minimum 100 lb. load rating per drawer. All file drawers must have built-in hanging file capability. All doors must include full articulation door hardware to accommodate uneven floors. The pedestals shall be finished on all sides for use outside the console, and be equipped with dual-wheel front-locking casters. Cushion seating should be available as options and should be rated for 300 lbs. At a minimum, the following options should be made available:

- Bookcases
- File Drawers
- Box Drawers
- Lateral File Drawers

3.10 Edge Material

Replaceable vinyl edging material shall be a minimum 2mm thick thermoplastic vinyl extrusion with self-healing properties against abrasion for all undercarriage, pedestals, and primary surfaces, and a minimum 13mm thick for all input platforms.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.11 Equipment Enclosures

Equipment enclosures must include EIA mounting rails front and rear. Each console should include at a minimum 4 racks each 19" deep X 22"wide X 8" high. Blank faceplates accenting or matching surrounding finish must be included with each rack. At a minimum, the following options should be made available:

- Interior task lighting to equipment cabinetry
- Access to CPUs/cabling from front and back
- Quiet blowing ventilation for equipment cabinetry

Understood/Comply	Comply	Explanation: Superseded by Addendum 1 See Proposal Section 4
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3.12 Laminates

High pressure must meet ANSI/ASME A 17.1; 1986 requirements for Class "B" laminate, providing a non-glare matte finish. Thermally Fused Laminate must meet NEMA LI-1-1998. Low Pressure Laminate is not acceptable.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.13 Fabric

Abrasion resistance at a minimum shall meet ASTM D-3597 MVPTS-198 standards. The flammability requirements shall adhere to ASTM E-84 (Tunnel Test) or Class A or 1 and the State of California Technical Bulletin 117 Sec. E (SC-191-53).

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.14 Sit to Stand Base and Input Platform

The following specifications shall apply to the Console Furniture base and keyboard platform.

a. Primary Surface

Components shall be UL listed. The motor/gear drive system must have a 700 lb. gross weight-lifting capacity, including the surface, input platform, and input platform mechanism. Design must accept uneven load distribution. Range of travel will need to accommodate a low of 24-inches to a high of 46-inches, infinitely adjustable within the 22-inch range.

b. Input Platform

The Input Platform shall be designed to provide un-obstructed knee clearance in the seated operating position in accordance with ANSI standards. Platform must be tested to 250 lbs. Input Platform must be secured to the primary surface by metal-to-metal connection utilizing steel plates and bolts, no wood screws will be acceptable.

c. Unified Frame

Sit-to-stand base must be designed with a footprint to allow maximum stability based on the overall size of the Flat Screen primary surface. The entire console must be tied together so that there will be no movement of the primary surface away from the remainder of the console. It must meet ANSI/HFS standards and ADA requirements for foot and leg clearance. There must not be any obstructions for side-to-side movement within the footprint of the console. Leveling glides shall be an integral part of the system to accommodate uneven floors.

d. Adjustments

All adjustments for the sit-to-stand base and input platform shall be attained from the front of the input platform or the front of the primary surface and shall be able to be adjusted from either the seated or standing position with the use of one hand to meet ADA requirements.

Understood/Comply	Comply	Explanation: Superseded by Addendum 1 See Proposal Section 4
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3.15 Electrical and Cable/Wire Management

Every console must include an electrical system to be connected to the building’s electrical and grounding systems with a **minimum of 24 AC outlets** configured to accommodate power transformer plugs.

Each console must include options for user-accessible voice and data connections. All data and voice paths must be completely segregated from the power management systems. Each console shall have a **minimum of 6 data/voice outlet boxes**.

As an integral part of the cable management, the Vendor shall include a minimum **twenty-four (24) port patch panel** that will allow for the connection of up to twelve (12) ethernet cables from the 911/radio IT room to the electronic components installed into the furniture.

A cable management system must be provided that allows for independent movement among the monitor and keyboard surfaces. The system must minimize the wear and tear on the traveling cables by keeping them separated as well as enclosed. No operator intervention is to be required. The proposer is to provide all cable management within, under and on the console.

Cavity illumination should be offered as an option.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.16 Task Lighting

Ambient light levels will be very dim and task lighting incorporated in the consoles will be the primary source of lighting for dispatchers and call takers. Lighting solutions must provide 100% of the required light at each workstation and provide user controlled, infinite dimming variability. Please specify the lighting you will supply. Provide its expected life and rated lumen output. Also list and price any other lighting options you have available under a “Lighting Options” section.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.17 Headsets/Speakers

Each console must support dual headset jacks for both radio and telephone. Describe how your console will accommodate that. Also, small cube speakers with individual power supplies for selected and unselected radio traffic needs to be accommodated on the console surface. Describe how this would be accomplished.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.18 Storage Cabinets

Each console will be equipped with additional drawer units for storage of personal items and work items at the various positions. The cabinet would be able to be housed under the keyboard and monitor surfaces while they are in the fullest downward position, or to the side. The drawers should match the color and design of the console. Describe your offering.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.19 Resource Storage

Describe the option to provide an easily accessible cabinet to store resource materials. These could be books of procedures or maps of campus areas. Multiple consoles would share these resources, depending upon room layout.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.20 Accessories

Vendor shall offer a full complement of accessories to be available including:

- Environmental controls
- Cooling Capability (per workstation)
- Heating Capability (per workstation)
- Task Lighting (per workstation)
- Interior PC Cavity Lighting (per workstation)
- Foot Rests (per workstation)
- Wrist Rests (per workstation)
- Call Status Indicator Light
- Workstation Accent Lighting (side panels and under work surface)
- Shared Storage Solutions

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.21 Design Considerations

Each Vendor must submit a floor plan to scale, showing each item being proposed. In addition, perspective drawings will be required in the submittal with dimensions of height, width, and depth in order to determine compliance with the specifications. All accessories being proposed must be shown in these drawings. Customer provided electronics such as flat Screens, telephones, CPUs, and rack mount panels must be shown, to scale, in the 3-dimensional/perspective drawings. Labeled cut away or exploded illustrations of acoustical walls, primary surface, and sit to stand base should be included.

Colors are to be selected from manufacturer’s standards. At a minimum one full set of laminate, edge, and fabric samples must be submitted with the proposal. It will be necessary to provide color Owners and/or color renderings at the pre-construction conference to make a final decision.

Understood/Comply	Comply	Explanation: See Proposal Section 3
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3.22 Pre-Installation Conference

Upon award of contract to a successful bidder and prior to installation, a pre-installation conference will be held. The conference shall be attended by the manufacturer’s representative, Owner’s representation and Consultant.

Understood/Comply	Comply	Explanation: See Proposal Section 5
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3.23 Vendor Experience/References

The “Console Furniture” to be supplied shall have a proven record of use within the harsh 24-hour operating environment of public safety dispatch centers, specifically of similar size to this request. A list of no less than five (5) sites installed of like size must be included with the proposal, complete with contact name, address, phone, email, date of installation and size of installation. If bidder is not the manufacturer of all major components, such as surfaces, console walls, environmental controls, and lift systems, then the bidder must specify which manufacturer is being used and include their reference information and past experience to determine qualified status.

Understood/Comply	Comply	Explanation: See Proposal Section 6
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3.24 Warranty/Service Response

The console furniture must be warranted to be free from defects in material and workmanship for five (5) years based on 24/7 usages with a lifetime warranty on the frame. This must be an all-inclusive warranty and will need to cover 100% of the console furniture for the entire 5-year period. Warranty must include all product, freight, and installation.

Bidders must supply a copy of their minimum all-inclusive 5-year warranty with the name, contact, and phone number of the service organization providing the service response, signed by an authorized representative of the Company.

All service and warranty work must be initiated within a minimum of 48 hours after notification. Describe who would be performing the service work, their location and their connection to your company.

Understood/Comply	Comply	Explanation: See Proposal Section 4
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3.25 Lead Time & Installation

Lead-time could be a critical factor. Bidders must present their best lead-time to design, manufacture, ship, and install the console workstation system.

Shipping must be direct to the facility, inside delivery, unless otherwise noted.

Trained professionals experienced with the working environment of a public safety communication center must perform the installation. Only the manufacturer’s factory installers or their trained and authorized designees shall assemble and install the workstations. The installation team is responsible for the removal of all new furniture packing materials.

Once the installation is complete, a “walk-through” will be required with the installation Foreman in order to ascertain full compliance to the floor plan, console design, and materials specified. Any inconsistencies will be noted and must be scheduled for completion prior to sign off of the project.

Each proposer is to include training on the use of the new consoles during installation.

Understood/Comply	Comply	Explanation: See Proposal Section 5
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MOBERLY POLICE DEPARTMENT

EMERGENCY COMMUNICATIONS DISPATCH CONSOLE FURNITURE

Response to Request for Proposals - Submittal Date: February 17, 2023 @ 4:00PM CST

SECTION 2.0 – DETAILED PRICE QUOTATION AND PARTS LIST

APPENDIX B – DETAIL PRICING SCHEDULE
 THIS TABLE TO BE SUBMITTED WITH SUBMISSION RESPONSE

Moberly Police Department

Mandatory Elements

Description	Units	Unit Cost	Total Cost
Sit to Stand Workstations	3	\$13,370.00	\$40,110.00
Integrated Monitor Mounting (per workstation)	3	\$ 4,212.00	\$12,636.00
Interior Cavity Ventilation (per workstation)	3	\$ 530.00	\$ 1,590.00
6' Extension Cables for Keyboard/ Monitor/Mouse (5 per workstation)	15	\$ 10.00	\$ 150.00
Shipping	1	\$ 2,875.00	\$ 2,875.00
Installation Services	1	\$ 4,025.00	\$ 4,025.00
Breakdown & Removal of Existing Furniture	1	\$ 2,040.00	\$ 2,040.00
TOTALS			\$63,426.00

Optional Elements

Description	Units	Unit Cost	Total Cost
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Heating Capability (per workstation)	1	Included with ClimatePlus Cooling as one unit	
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Seating (24x7 Operator Seating)	3	\$1,488.00	\$4,464.00

* Note: Heating and Cooling are combined in ClimatePlus Personal Environment unit along with task light control (task light(s) extra), white noise volume control, call status light control (status light extra) and work surface and/or monitor array height and depth adjustment controls.



6423 - 30th Street SE, Calgary, Alberta, Canada T2C 1R4
 Tel: 403 203 2915 Fax: 403 203 0142 www.adaptaspace.com

proposal for:

Moberly Police Department - ECC Consoles

Moberly, Missouri
 Attention: Adam Swon - Moberly Police Department
 adaptaspace project no. **23-112**

Date: February 17, 2023

Project Proposal Information

Adaptaspace Console Features: As per Drawings: 23-112-01 thru 07

Console Subtotal:	\$40,110.00	(A)
Additional Mandatory Items:	\$14,376.00	(B)
Integrated Monitor Mounting, Interior Cavity Ventilation, Shared Printer Storage, and 6' Extension Cables		
Freight:	\$2,875.00	(C)
Standard LTL Freight from Calgary, AB to Moberly, MO Loading Dock Delivery, Customer to Receive Prior to Install		
Project Installation:	\$6,065.00	(D)
Assumes Single Installation Activity, Non-Union Site, Clean and Clear Room Environment; Includes Breakdown and Removal of Existing Furniture		
Project Total In US\$:	\$63,426.00	
(Sales Taxes Not Included)		

This quotation is valid for a period of 90 days from the date of issuance. Adaptaspace Inc. reserves the right to revise pricing if the proposal is not accepted and an order is not confirmed within the 90 day period.

Payment Terms:

100% Due Net 30 after Installation

\$63,426.00 + taxes

adaptaspace []

6423 - 30th Street SE, Calgary, Alberta, Canada T2C 1R4
Tel: 403 203 2915 Fax: 403 203 0142 www.adaptaspace.com

proposal for:

Moberly Police Department - ECC Consoles

Moberly, Missouri

Attention: Adam Swon - Moberly Police Department
adaptaspace project no. **23-112 Rev:**

Date: February 17, 2023

Project Proposal Information

Adaptaspace Console Features: As per Drawings: 23-112-01 thru 07

Process Console:

Standard Features: Fixed HPL Worksurface with Molded Rubber Nosing, HPL Front & Rear Hinged Enclosure Panels, Fixed Processor Shelf, Integrated Cable Trays

	Part No.	Qty
Straight Modules - Standard Depth 36" [914mm]		
45" [1143mm] Wide Shared Module	ASI-PC-45.36	3
Corners & Mitres		
60° Tri-Pod Corner Module Kit	ASI-TP-C-60	1
End Panels		
Extended Console End Panel c/w Accent	ASI-PR-EP-1A	3
Adjustable Worksurfaces		
Electrical Sit / Stand Configuration: (per Operator)	ASI-SSWS	3
• Configuration includes (3) Electrical Actuator Lifts, (2) Vertical Cable Management Chains and (1) Operator Switch mounted under the worksurface.		
Anti-Collision Sensor	ASI-ACS	3
Monitor Support Arms		
Single Fully Articulating Monitor Arm (Maximum Weight per Monitor - 29 lbs)	ASI-ARM-PIS	9
Operator Accessories		
Cable Grommet	ASI-GRO-STD	15
Slide-Out Steel Processor Shelf	ASI-SLF-SO	12
19" Rack Mount Kit, 4 Point Frame	ASI-19-RK	3
Ventilation Grill	ASI-VT-GL	12
Mobile Storage Pedestal (box,file) Metal Powdercoated	ASI-MP-MET-BF	3
24 Port CAT6 Patch Panel, 110 Punch-Down	ASI-PP-24P	3
Electrical Components		
Dual Gang Junction Box with Two (2) 15A, 125V Duplex Receptables Mounted In Equipment Cabinet. All Connections to Building Power By Others	ASI-JB-2G-15	3

In-Cabinet 15A, 125V - 6 Outlet Power Bar c/w Attachment Bracket, 6' Cord, Plastic Case, On/Off Switch w/ Circuit Breaker, CSA & UL Listed.	ASI-PB-STD6-15	6
Undersurface 15A, 125V - 7 Outlet Power Bar c/w Attachment Bracket, 12' Cord, Plastic Case, On/Off Switch w/ Circuit Breaker, CSA & UL Listed.	ASI-PB-STD7-15	6
Power/Data Center, MHO Aluminum Unit, 1 - 15A, 125V Outlet; 1 - Dual USB-A Charging Port; 6 - RJ45 Cat6 Data Ports; 120" Cables	ASI-PD4P-PR	3
Grounding Bus Bar, Isolated Copper	ASI-GRD-BAR	3

Privacy Panels

18" [457mm] High Rear Privacy Panel. Includes Fabric Wrapped Tentest Front and Rear Insert.	ASI-PP-FAB-18	3
---	---------------	---

Assembly, Packing & Preparation:

Packing and preparation for LTL Freight	n/a	1
---	-----	---

Sit/Stand Consoles Total:	\$40,110.00 (A)
Quantity:	3
Per Console Subtotal:	\$13,370.00

Additional Mandatory Items

	Part No.	Qty	Total Price
Integrated Monitor Mounting - Slat Rail Array Adjustable Monitor Mounting System with 12" (205mm) Electric Height Adjustment and 8" (203mm) Electric Focal Depth Adjustment, Independent Control Switches Recessed Into Work Surface, Integrated Cable Management System	ASI-SR-EH-ED	3	\$12,636.00
Interior Cavity Ventilation Ventilation Grills with Ventilation Fans with Auto Thermal Control, 30 CFM, 19 dBa	ASI-VF-92.30	3	\$1,590.00
6' Extension Cables 6' USB Extension Cables for Monitor/Mouse (5 per Workstation)	ASI-USB-72	15	\$150.00

Additional Items Total:	\$14,376.00 (B)
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Optional Items: not included in project total

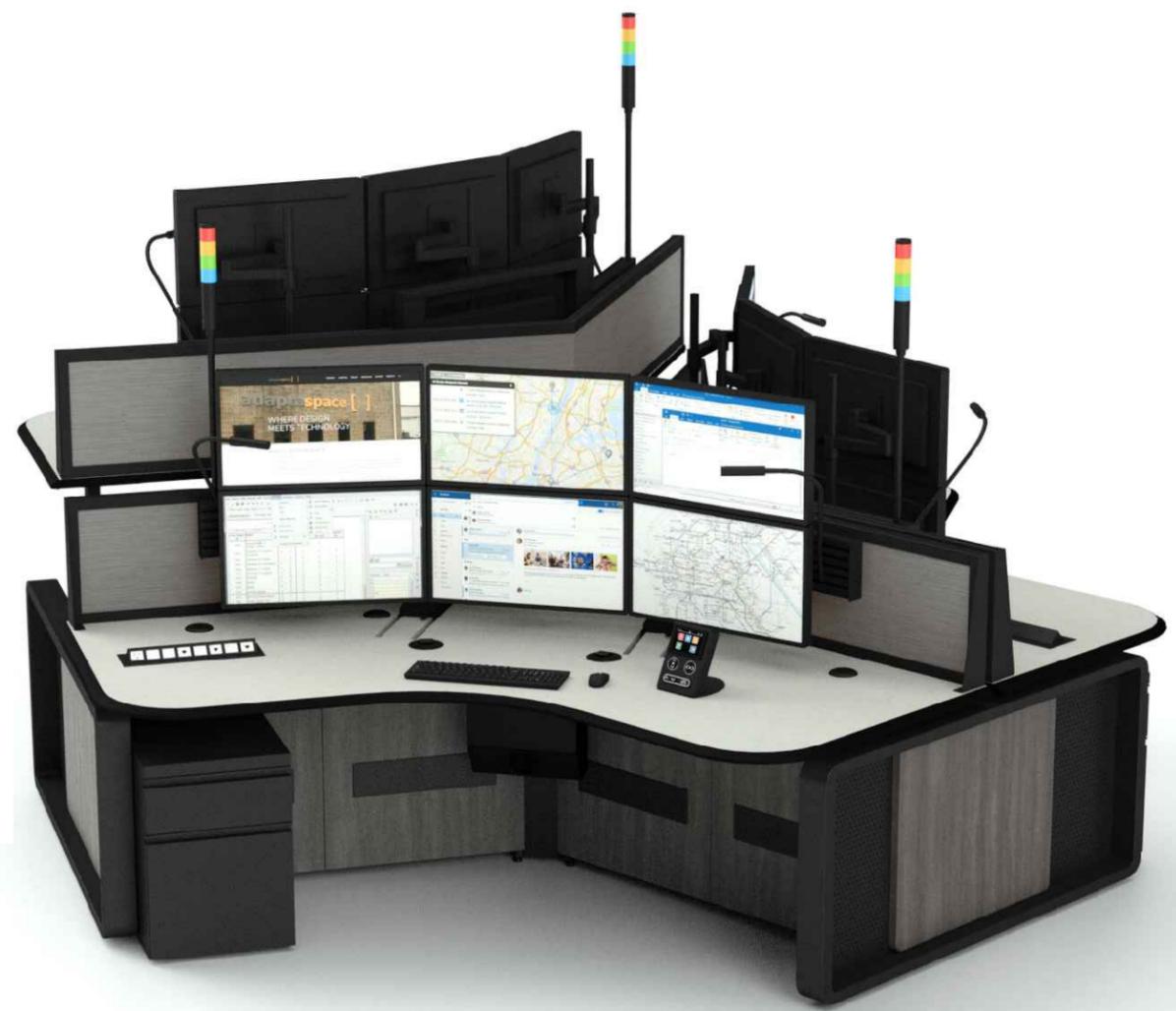
	Part No.	Qty	Each Price
Operator Accessories			
Enclosure Panel Locks - Per Panel (<i>Front & Rear Panels</i>)	ASI-PL-CAM	1	\$28.00
Foot Rest, Adjustable Tilting with Dual Height Adjustment	ASI-FR	1	\$63.00
Wrist Rest, Memory Foam, Black - 17"L x 2.5"D x 3/4"H	ASI-WR	1	\$28.00
ClimatePlus™ Personal Environmental Unit with (2) Desktop Cooling Louvers and (1) Undersurface Heating Louver. Touchscreen User Interface Panel Controls Forced Air Heating, Cooling, Tasklights, White Noise Volume, and Situational Awareness Light. Manual Controls in Interface Panel for Work Surface and Monitor Array Lift Systems. Includes Power Indicator Light and Occupancy Sensor For Automatic Shutoff.	ASI-CLM-HT	1	\$3,896.00
Seating			
Humanscale Freedom Headrest Chair, Adjustable Duron Arms, Grade 1 Seat and Back Fabric, 15 Year 24/7 Warranty	ASI-HS-FFHR	1	\$1,488.00
Task Lighting			
Littlite LED Gooseneck Operator Tasklight, Dimmable, 24"	ASI-TL-DA	1	\$274.00
Patlite Series LED Signal Tower Light. Up to 4 LED Lights. Pole Mounted to Top of Slat Rail or Rear Partition Wall.	ASI-PL-TWR	1	\$536.00
Processor Enclosure Lighting, 4 watt, LED with Manual Switch	ASI-PEL	1	\$60.00
Undersurface LED Accent Lighting RGB with Desktop Manual Color Switch and Dimmer, 7' Kit, 100-240V AC Input	ASI-AL-MS	1	\$360.00
Shared Storage Solutions			
Corner Storage Cabinet Nominal 42" x 42". Includes HPL finishes, hinged front doors, adjustable shelves, cable grommet	CUSTOM	1	\$2,340.00
Bookcase Nominal 48"W x 14"D x 84"H. Includes HPL finishes, adjustable shelves	CUSTOM	1	\$1,440.00

MOBERLY POLICE DEPARTMENT

EMERGENCY COMMUNICATIONS DISPATCH CONSOLE FURNITURE

Response to Request for Proposals - Submittal Date: February 17, 2023 @ 4:00PM CST

SECTION 3.0 – DETAILED CONSOLE DRAWINGS



REVISIONS:				
REV.	DESCRIPTION	BY	DATE	QUOTE REF.
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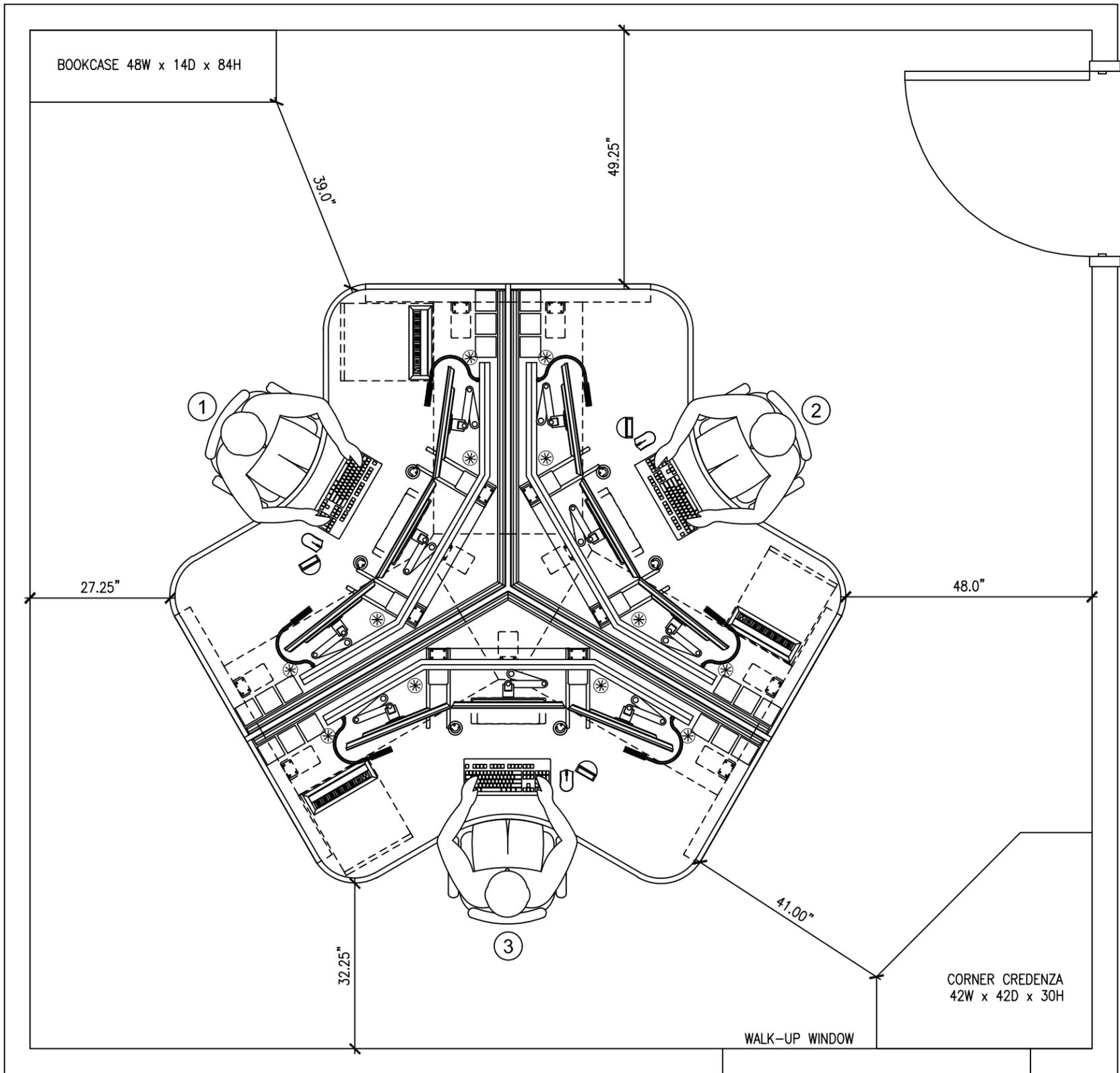
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Moberly Police Department - ECC
 RENDERING

DRAWING NO. 23-112-01
 PROJECT NO. **23-112**
 SHEET NO. 01 of 07

REVISION NO. **0**

NOTES:
 1. (X) OPERATOR POSITION



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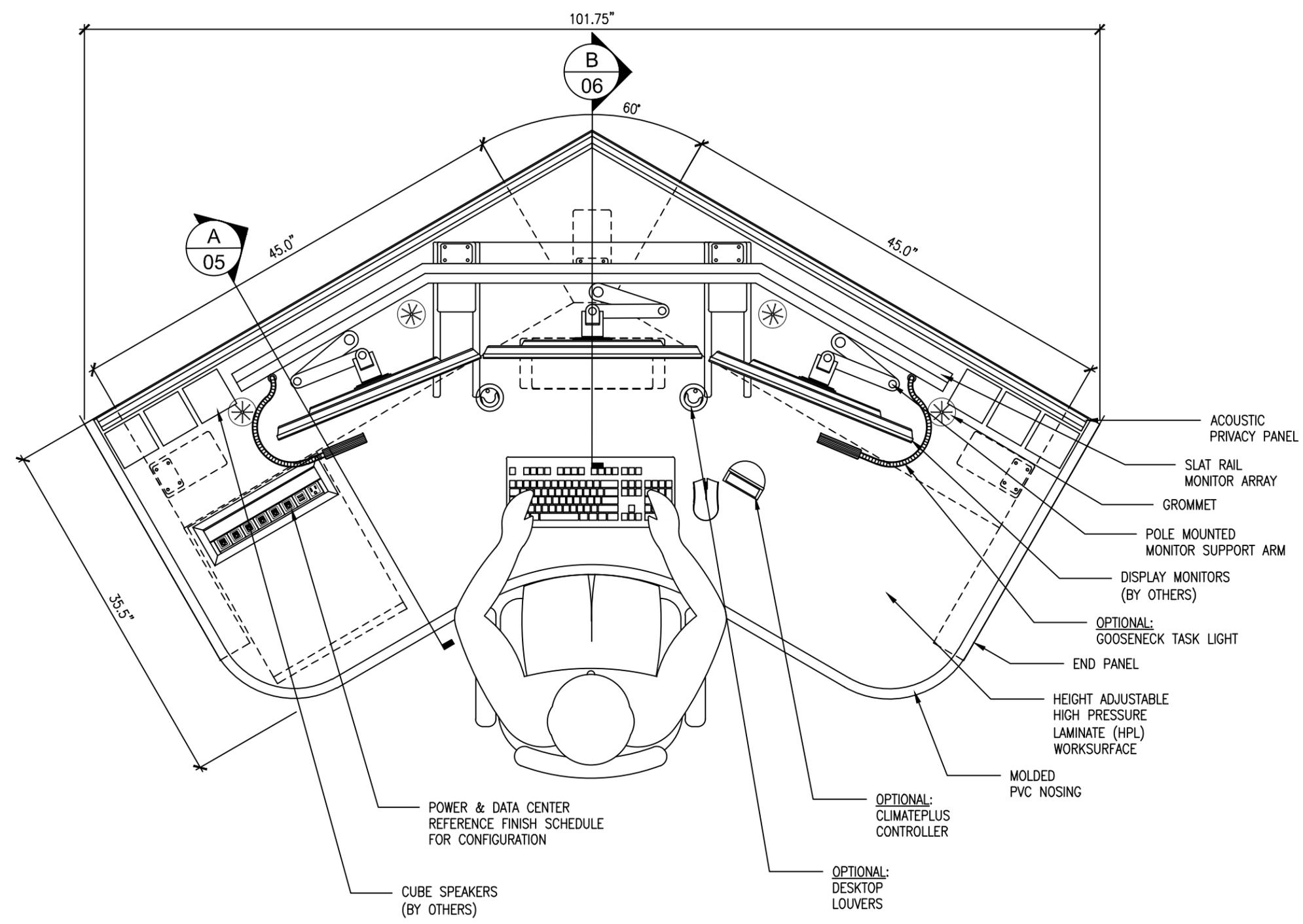
Moberly Police Department - ECC
ROOM LAYOUT

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DRAWING NO.	23-112-02	REVISION NO.	0
PROJECT NO.	23-112		
SHEET NO.	02 of 07		

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NOTES:
 1. FINAL LOCATION OF POWER BARS, ACTUATORS, IGUS CHAINS, SWITCH AND SUPPORT FEET TO BE DETERMINED DURING DETAILED ENGINEERING.



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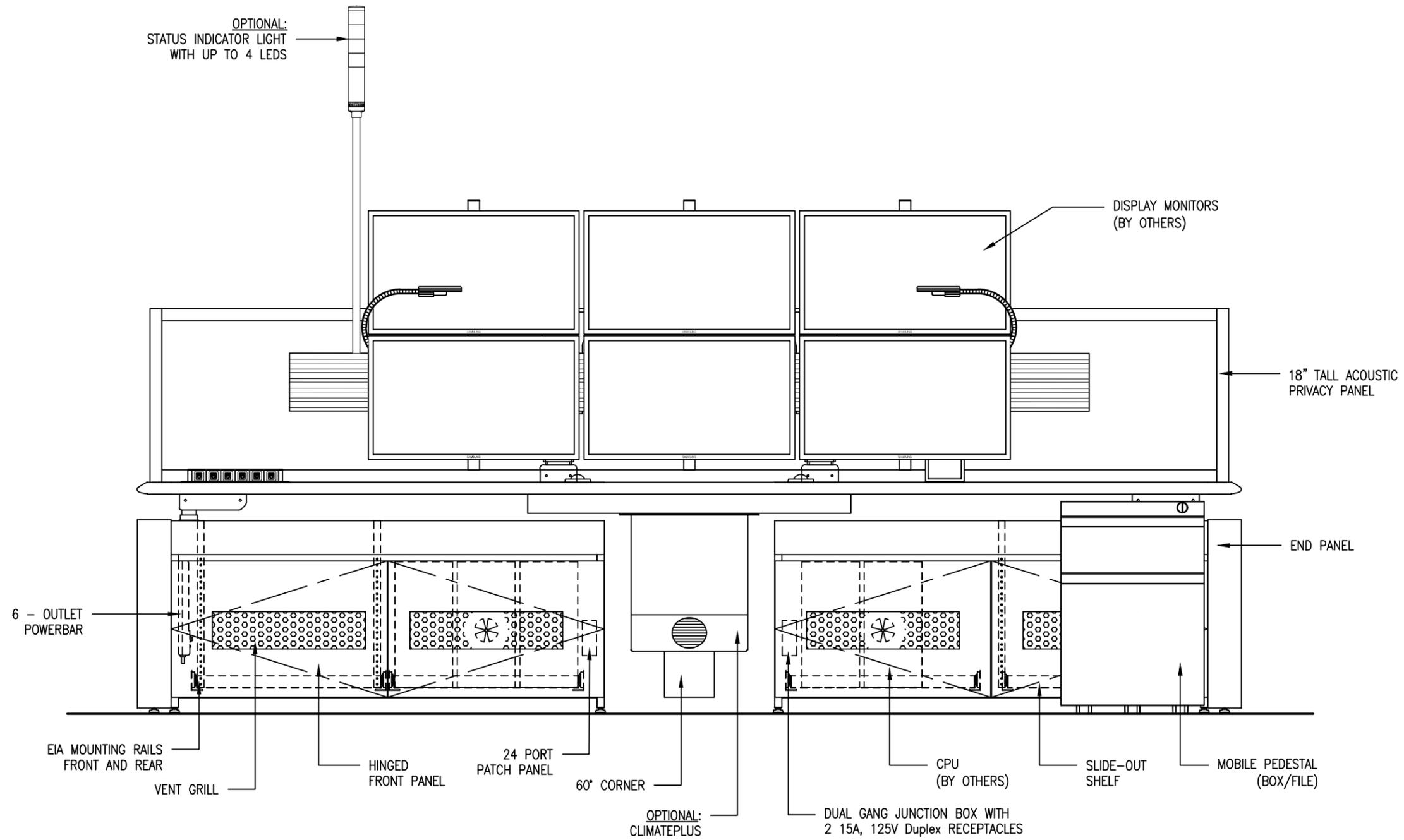
Moberly Police Department - ECC
CONSOLE PLAN

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DRAWING NO.	23-112-03	REVISION NO.	
PROJECT NO.	23-112		0
SHEET NO.	03 of 07		

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NOTES:
 1. FINAL LOCATION OF POWER BARS, ACTUATORS, IGUS CHAINS, SWITCH AND SUPPORT FEET TO BE DETERMINED DURING DETAILED ENGINEERING.



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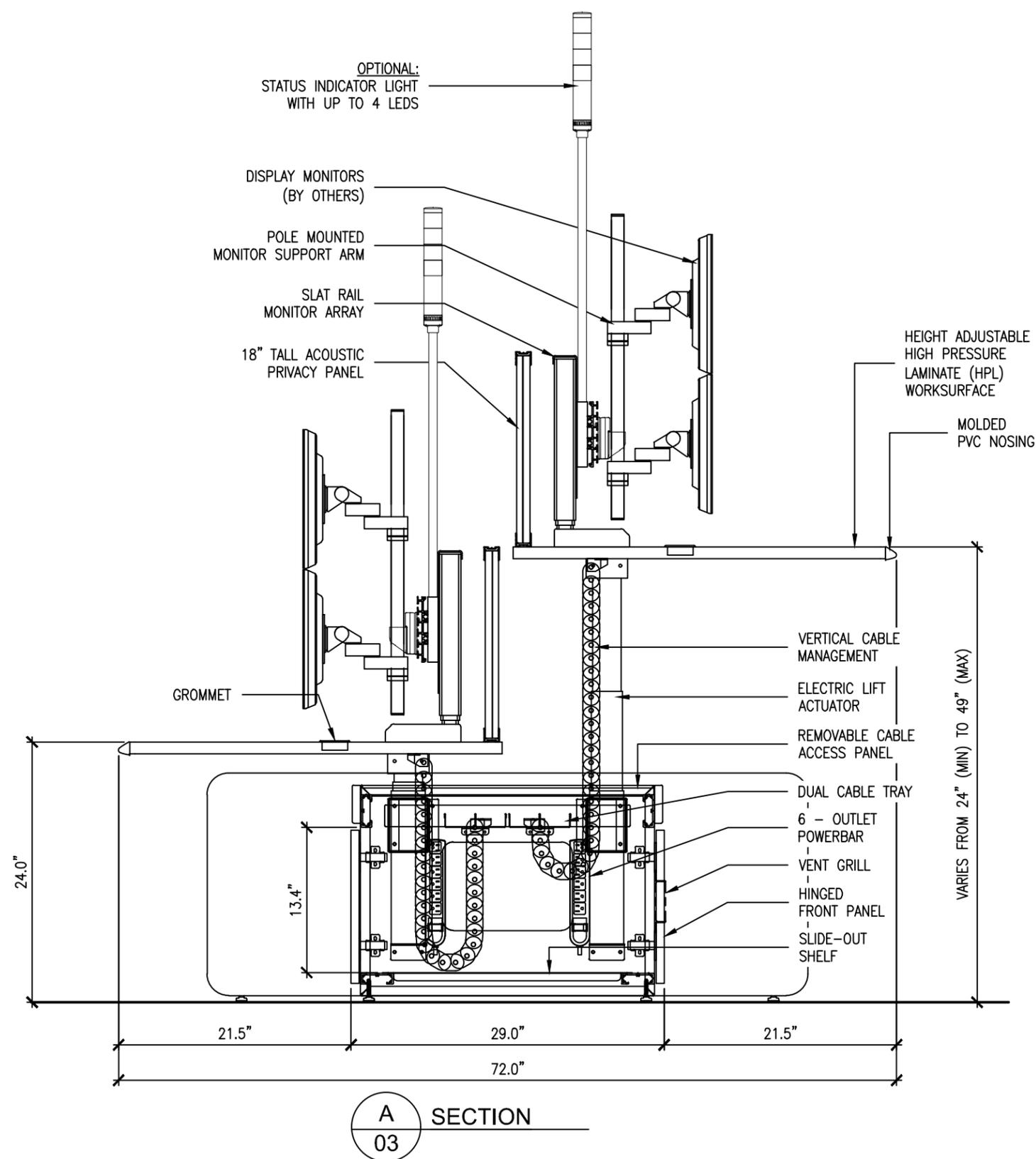
Moberly Police Department - ECC

CONSOLE ELEVATION

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DRAWING NO.	23-112-04	REVISION NO.	0
PROJECT NO.	23-112		
SHEET NO.	04 of 07		

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A SECTION
03

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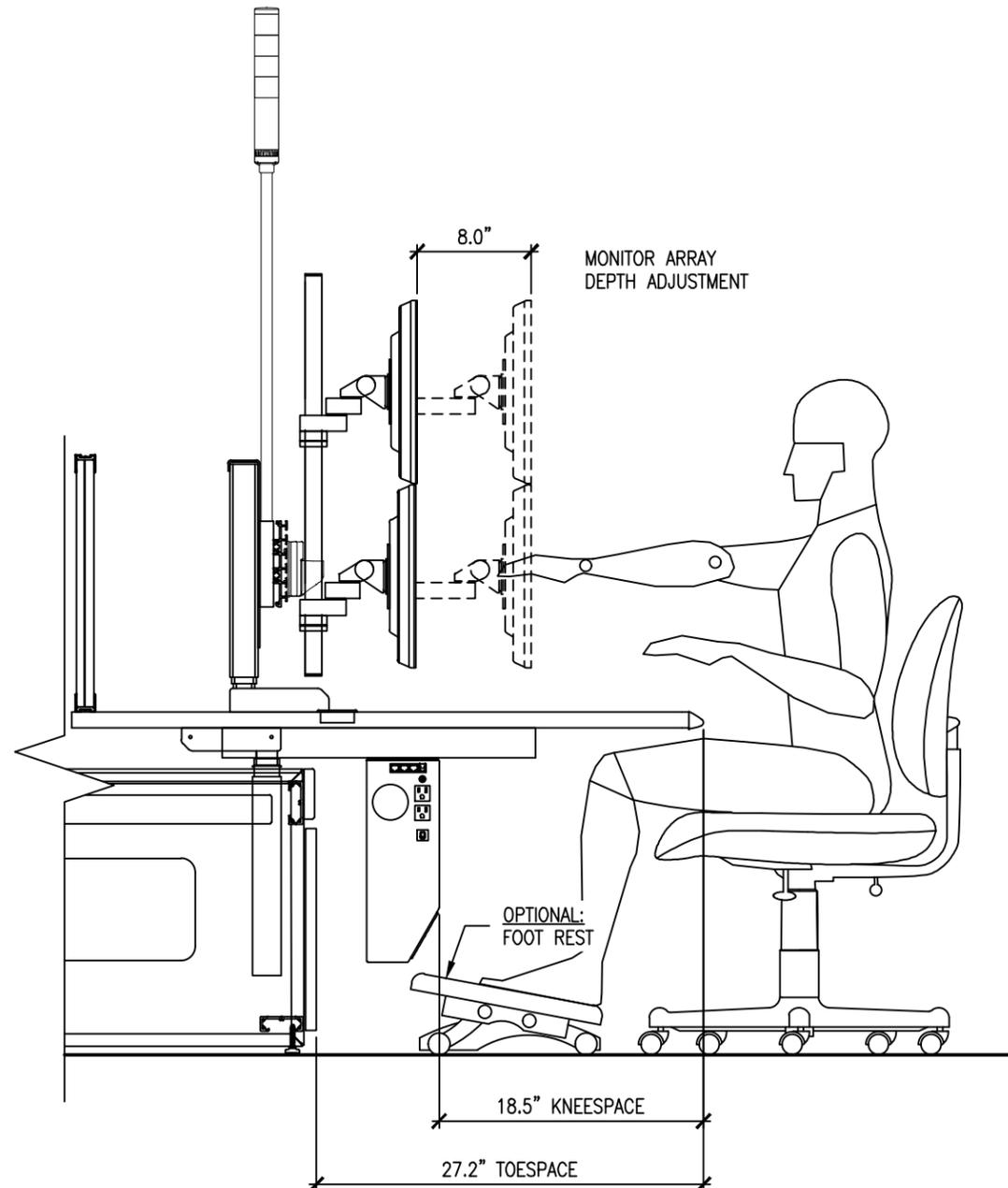
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Moberly Police Department - ECC
CONSOLE SECTION

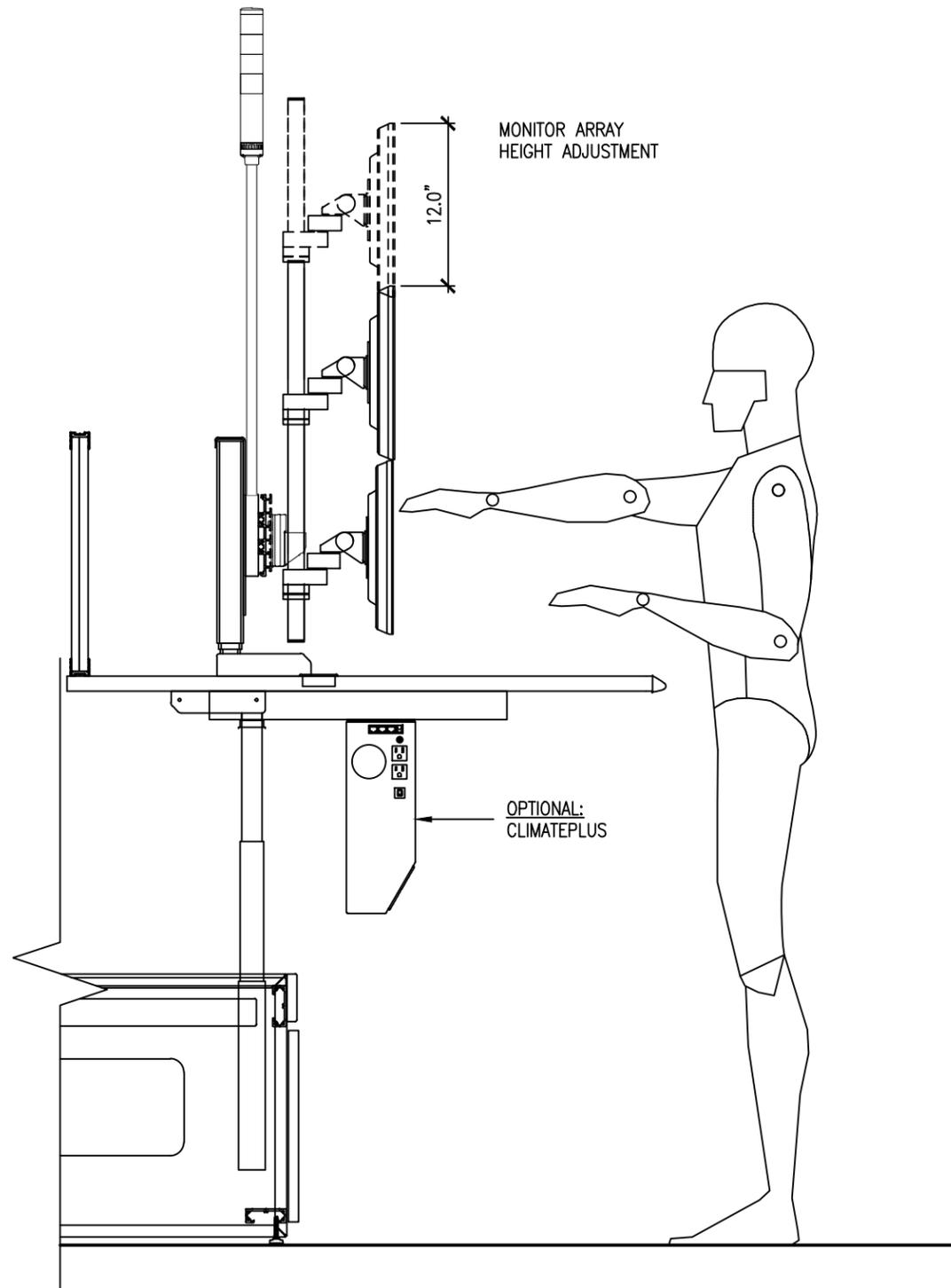
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DRAWING NO.	23-112-05	REVISION NO.	0
PROJECT NO.	23-112		
SHEET NO.	05 of 07		

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B
03 SECTION - SEATED



B
03 SECTION - STANDING

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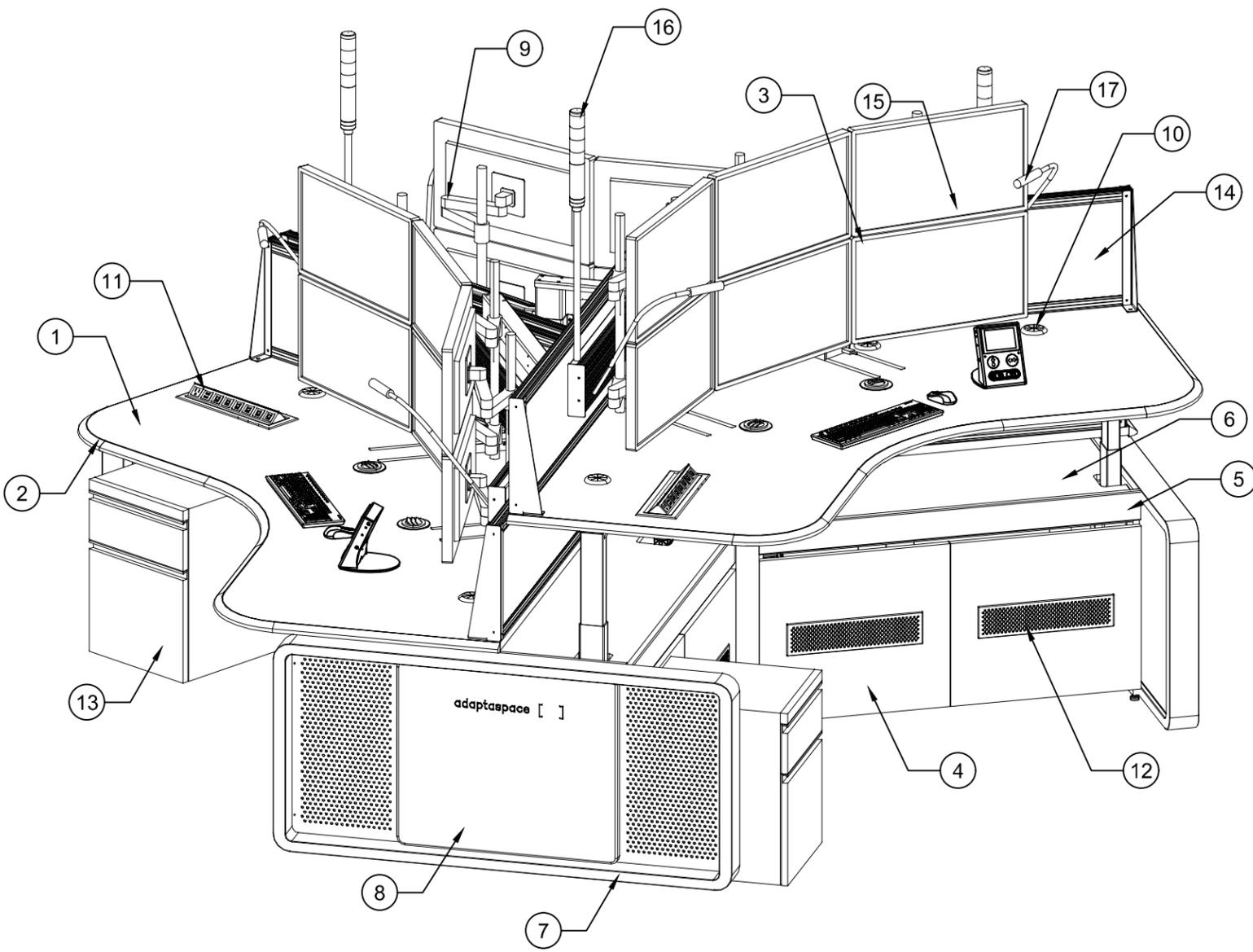
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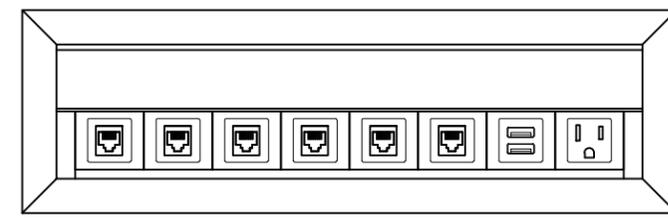
Moberly Police Department - ECC
CONSOLE SECTION @ OPERATOR

DRAWING NO.	23-112-06	REVISION NO.	0
PROJECT NO.	23-112		
SHEET NO.	06 of 07		



NO.	COMPONENT	MATERIAL	COLOR
1	WORK SURFACE	HIGH PRESSURE LAMINATE	
2	NOSING	MOLDED PVC	BLACK
3	SLAT RAIL MONITOR ARRAY	METAL - POWDERCOATED	BLACK
4	HINGED PANEL	HIGH PRESSURE LAMINATE	
5	ACCENT	THERMOFOIL	BLACK
6	CABLE ACCESS PANEL	THERMOFOIL	BLACK
7	END PANEL FRAME	METAL - POWDERCOATED	BLACK
8	END PANEL ACCENT	THERMOFOIL	BLACK/LAMINATE
9	MONITOR ARM	METAL	BLACK
10	GROMMET	PLASTIC	BLACK
11	POWER/DATA POP UP	METAL	BLACK
12	VENT GRILL	METAL - POWDERCOATED	BLACK
13	MOBILE PEDESTAL	METAL	BLACK
14	PRIVACY PANEL	FABRIC	
15	PRIVACY PANEL FRAME	METAL	BLACK
16	STATUS INDICATOR LIGHT (OPTIONAL)	METAL	BLACK
17	TASK LIGHT (OPTIONAL)	METAL	BLACK
	STRUCTURAL FRAME	METAL	BLACK

POWER DATA CENTER
PORTS FROM LEFT TO RIGHT



- [1] DATA - CAT6
- [2] DATA - CAT6
- [3] DATA - CAT6
- [4] DATA - CAT6
- [5] DATA - CAT6
- [6] DATA - CAT6
- [7] CHARGING - DUAL USB-A
- [8] POWER - 15 AMP OUTLET

REVISIONS:				
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Moberly Police Department - ECC

FINISH SCHEDULE

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DRAWING NO.	23-112-07	REVISION NO.	
PROJECT NO.	23-112		0
SHEET NO.	07 of 07		

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MOBERLY POLICE DEPARTMENT

EMERGENCY COMMUNICATIONS DISPATCH CONSOLE FURNITURE

Response to Request for Proposals - Submittal Date: February 17, 2023 @ 4:00PM CST

SECTION 4.0 – TECHNICAL PRODUCT DESCRIPTION, WARRANTY & SUPPORT

PROPOSED CONSOLE SOLUTION

BACKGROUND

Adaptaspace is a Calgary-based corporation dedicated to the design, manufacture, and installation of consoles for 'Mission Critical' 24/7 applications including 911 call taking and dispatching, emergency operations management, process and system control, transit and traffic management, security and surveillance, and technical support.

We have a proven history of responding to the challenging design and planning demands of 911 dispatch control centers, providing collaborative design support for room layout design, workflow analysis, console development, and equipment needs.

Adaptaspace's PROCESS 911 consoles are designed for each customer based on specific functional needs, equipment requirements and facility layout constraints, but all feature the following common elements:

- optimized human factors for increased comfort and reduced physical stress
- equipment and accessory mounting flexibility to satisfy the needs of each user
- extensive cable management for easy installation and access
- power and data connections to support each user
- product durability for 24 hour / 7 day operation
- room layout flexibility to cater to any spatial constraints
- modularity to allow for future equipment and room layout re-configurations

Since being formed in 2003, Adaptaspace has completed well over a thousand projects for customers in a wide range of industries such as emergency response, energy utilities, process control, traffic and transit management, security and monitoring, air traffic control, telecom, call centers, data processing, and military.

The management and senior employees at Adaptaspace have all been working in this industry for well over 20 years, including work with other console manufacturers, modular building systems, general construction and architecture. The depth of our resources stems from this strong and experienced team and has allowed Adaptaspace to be successful on some of the largest and highest profile console projects in North America, including the City of New York's 420 console NYPD and FDNY Emergency Communication Center.

PROPOSED SOLUTION

Adaptaspace's proposed solution for the Moberly Police Department Emergency Communications Center (ECC) is our cockpit console pod configuration based on our PROCESS 911 console system. The PROCESS 911 design has evolved over the past several years through input from our customers creating a highly functional and user-friendly console with optimal sightlines and operator ergonomics.

The Process 911 console is configured specifically for emergency management dispatch and call taking applications, and complies with all ergonomic standards established by ISO, BIFMA, ADA, ANSI and CSA and is designed to last for 20+ years in a 24/7 environment, unlike many low cost 911 workstation solutions which need to be replaced every 5-10 years.

PROPOSED CONSOLE SOLUTION

Adaptaspace has prepared and included in this proposal, a complete design package including a floor plan layout, console plan, elevation and section view drawings, plus 3D images of the consoles. Recognizing the iterative nature of the design process, we view the preliminary concept drawings as the design basis, anticipating input from the primary project stakeholders will guide both console configuration and the floor plan design toward the final desired solution.

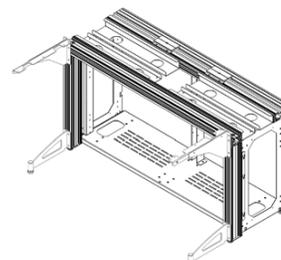
Although preliminary, our proposed PROCESS 911 consoles are configured to be fully compliant with the functional design expectations and equipment requirements set forth in the Request for Proposals documents and offer the most functional use of operator space within the available floor area while meeting all ergonomic requirements. We would like to stress that Adaptaspace is a 'design based' company and welcomes the opportunity to refine the solution so that it meets all room layout requirements and functional needs of the operators, while staying within budgetary constraints.

CONSOLE FEATURES

All consoles feature a Modular Sub-Frame with Equipment Mounting Enclosures, Internal Power Distribution and Cable Management Systems, Height Adjustable Work Surfaces with an Independent Height and Depth Adjustable Monitor Array System, Articulating Monitor Support Arms, Acoustic Rear Privacy Panels, Desktop Convenience Outlets, and a Personal Storage Unit. Optional Task Lighting, Personal Climate Controls, Status Indicator Lights, and Accent Lighting are available.

Console Base Frame Sub-Structure:

The console base frame is freestanding and consists of a structural steel and aluminum framework utilizing a unified frame construction design that ties each element of the console substructure into a contiguous whole, stabilizing all movement.



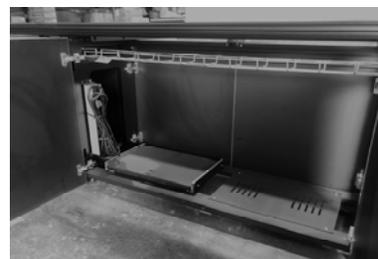
Exterior Panels and Doors:

All exterior panels and access doors are constructed of 11/16" industrial grade particleboard with high pressure laminate (HPL) surfaces (front and rear) and PVC edges. Optional sheet metal doors with a powder coat finish can be provided. All access panels and doors have concealed hinges for easy access to equipment and quick removal if necessary.

All door panels will include ventilation grills and automatic thermal controlled fans are included to provide additional ventilation to the equipment cabinet.

Internal Equipment Mounting:

The base cabinet of each console provides a series of integrated storage compartments with an active ventilation system to allow for equipment storage, easily accessed for maintenance through the hinged door panels. The processor cabinets will have heavy duty slide-out shelves to support all five (5) specified CPUs with room for expansion and a set of front and rear rack mount rails at each console position. Optional cabinet lighting is available.



PROPOSED CONSOLE SOLUTION

Each slide-out shelf utilizes heavy-duty, steel-bearing full extension slides with a 90 lbs (40.9 kg) capacity that allows access to all sides of the CPUs for easier maintenance access.

Height Adjustable Work Surfaces:

The consoles have height adjustable work surfaces providing a smooth level workspace that complies with accepted human factors criteria. Work surfaces are constructed with 1" (25.4mm) industrial grade high-density particle board core material with high pressure laminate (HPL) surfaces (top and bottom) and a 'waterfall-sloped' ergonomic front edge. Each worksurface is supported on a steel stiffener beam spanning the width of the console.



The range of travel for the work surface will be set to a minimum of 24" (610mm) and to a maximum of 46" (1168mm). Note that alternate heights can be programmed up to 50" (1270mm). Each surface is capable of lifting 1,056 lbs. (480 kg) with three (3) lifting columns (Linak DL6). The lifting columns are rigidly mounted to the console base frame. The system is equipped with integrated anti-collision protection that will sense any interfering object and will halt and reverse.

Sit/Stand Lift System:

The proposed worksurface lift system is capable of lifting the work surface and all monitors and other equipment that may be placed on top of or attached to each work surface. Adaptaspace uses only Linak products – widely recognized as the industry leader in electric linear actuator technology systems - in our consoles. Linak DL6 lift columns will be used to meet the range of travel requirements of the consoles.



Height adjustment of each surface is controlled by an integrated digital smart switch mounted under the work surface within easy reach of the operator. Each switch features a digital readout display, Bluetooth connection to smart devices, four favorite positions, and a light strip to remind users to stand. Other switches are available, or the work surfaces can be controlled through the optional ClimatePlus touch screen controller noted below.



Slat Rail Monitor Mounting System:

Our proposed desktop monitor management system is a Slat Rail Monitor Array that includes 12" of vertical adjustment and 8" of horizontal depth adjustment. The Slat Rail Monitor Array sits at the back of the worksurface in front of the acoustic privacy panel.

The Slat Rail Monitor Array has two (2) lift columns providing vertical adjustment and one (1) linear actuator allowing movement of the monitor array toward the operator adjusting to the correct focal distance. Both height and depth adjustments are controlled through an integrated single-point interface recessed into the work surface or they can be controlled through the optional ClimatePlus touch screen controller noted below

PROPOSED CONSOLE SOLUTION

Displays are connected to the Slat Rail Monitor Array via independent monitor arms offering the ability to tilt, rotate, raise and/or lower each individual monitor. Each monitor arm is attached to the Slat Rail allowing maximum flexibility in positioning or reconfiguring the monitor arms. We have configured the monitor arms to support (6) 24" widescreen displays as specified.

One of the unique advantages of this system is that monitor arms can be easily added, removed, or repositioned, providing simple reconfiguration of the console as needs change or evolve.



Acoustic Privacy Panels:

Adaptaspace's Privacy Panel system provides an acoustic solution for dispatch centers, increases privacy for operators, and improves safety by reducing contact between personnel. Privacy panels will be attached across the rear of the work surface allowing them to move with the operator through the sitting and standing positions.

The panels will be 18" tall providing a 42" overall height from the floor when seated.

Privacy panels are installed with a durable powder-coated aluminum frame system. The panels can be constructed with fabric wrapped tackable cores for improved acoustics, high-pressure plastic laminate (HPL) to match the console finishes or a combination of both.

Note that the fabric meets the flammability requirements of ASTM E-84 (Tunnel Test) Class A and the State of California Technical Bulletin 117 Sec. E (SC-191-53).

Power and Data Distribution:

Adaptaspace will provide one (1) dual gang junction box with two (2) 15A/125V duplex receptacles mounted in each console's lower equipment cabinet for connection to building power by others.

Adaptaspace will provide all internal AC power distribution within the proposed consoles using 15A/125V power bars with a total of (26) AC outlets. Each console position will include two (2) 7-outlet power bars under the work surface for all desktop equipment connections, connected to the building receptacles in the lower equipment cabinet.

PROPOSED CONSOLE SOLUTION

Each console will also include two (2) 6-outlet power bars mounted in the equipment cabinet for all cabinet mounted equipment, connected to the building receptacles in the lower equipment cabinet.

A master ground bus bar will be provided in the lower equipment cabinet for all equipment grounding, to be connected to the building master ground by others.

Adaptaspace will provide a 24-port patch panel mounted in the lower equipment cabinet of each console with cables and connections by others.

Cable Management:

Each console has integrated cable management providing continuous horizontal and vertical cable management allowing logical and discrete routing plus separation of power and data cables throughout the entire console without obstruction. Our dual horizontal sheet metal cable trays allow for wires to enter/exit at any point along the length of the tray with no need for fishing of cables.

The UL certified vertical cable chains extend and retract with the up/down movement of the sit/stand work surface and protect the cables from entanglement and pinching.

Images below illustrate the integrated lift actuators and vertical cable management chains into the structural modular frame. The equipment cabinet has top lift-off panels and hinged front and rear doors to allow easy access to equipment and cable management.



Desktop Convenience Outlets:

Desktop power and data convenience outlets will be mounted in the work surface, configured with (6) Cat6 voice/data ports as specified plus (1) power receptacle and (2) USB charging ports.

Please note that outlets can be reconfigured during the design phase to include any combination of power, USB charging, USB data passthrough for connecting keyboards and mice, Cat6 network jacks for connecting laptops and phones, and/or audio jacks for headsets.



PROPOSED CONSOLE SOLUTION

Headset and Speaker Mounting:

Adaptaspace will provide threaded inserts under the work surface for mounting customer supplied headset jack devices, with placement to be coordinated during the design phase. Alternatively, we can provide custom headphone jack boxes under the surface with 3.5mm audio jacks if required or 3.5mm audio jacks can be provide with the desktop convenience outlets mounted in the work surface.

The work surface has ample space to accommodate up to (6) cube speakers positioned to the rear of the console under the slat rail mounting system.

Personal Storage Cabinets:

Each console will include a mobile personal storage cabinet located under the work surface to the left or right side of the operator for ease of access. We have proposed a box/file drawer unit so that the cabinet will fit under the worksurface when in the lowest position.



OPTIONAL FEATURES

Optional Personal Environment Controls:

We can equip each console position with Adaptaspace's ClimatePlus™ Personal Environment Control System. ClimatePlus™ utilizes two (2) desktop diffusers with up to 100 CFM of airflow, an undersurface 350W forced air heater and a touchscreen user interface.



Users can control ventilation fan speed, heater fan speed, up to (2) optional task lights, white noise sound masking, and optional work surface height adjustment and slat rail monitor array height and depth adjustment. Up to 15 user presets can be programmed for a different operator on different shifts. The user interface unit has a power indicator light and an occupancy sensor for automatic shutoff.



Shared Resource Storage:

Adaptaspace can provide a 42" x 42" shared corner resource cabinet with open storage shelving for binders, office supplies, printer supplies, etc. The surface includes grommets for printer cable pass through. The cabinet can be revised during the design phase if this does not meet the ECC requirements.

Adaptaspace can also provide a 428"W x 14"D x 84"H shared bookcase with open shelving for binders, office supplies, printer supplies, etc. The bookcase can be revised during the design phase if this does not meet the ECC requirements.

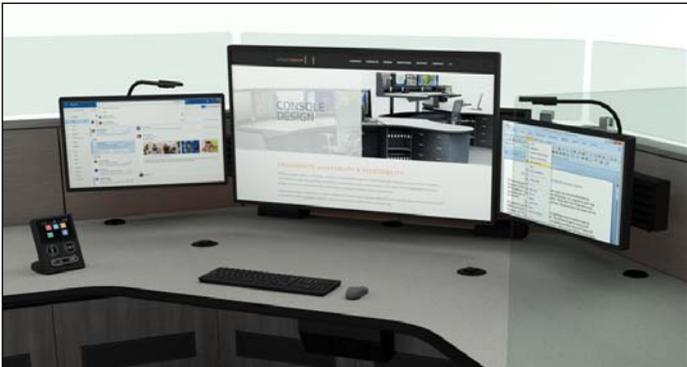
PROPOSED CONSOLE SOLUTION

Our millwork units are designed to withstand the rigors of 24/7 use and are constructed with industrial grade, high-density particle board core material and high-pressure laminate (HPL) surfaces (top and bottom). Construction will include PVC edging colors to match consoles and levelers provide up to 1-3/4" (44mm) of adjustment to accommodate uneven floor conditions. Cabinets include 110° hinged doors with decorative arched pulls, adjustable shelving, and cable grommets.

Optional Task Lighting:

Adaptaspace can provide up to (2) dimmable LED task lights at each position. The 'Anser' by Littlite is gooseneck style light offering up to 24" of reach with unlimited articulation. This dimmable, 1.8W LED task light comes with a 12V power supply, but can also be powered from a USB port.

It has a 3000K warm light, with an expected 60,000 hr life and a 5-year, 24/7 use warranty. The light can be mounted to the Slat Rail for maximum flexibility in positioning or reconfiguring the task light position to accommodate the displays.



The task lighting can also be controlled using the optional ClimatePlus system.

Optional Status Indicator Light:

Each console can include a Patlite Series LED Signal Tower Light to signal when an operator is available, on call, or in need of critical assistance. The signal tower series features ultra-bright LEDs (up to 4 different colors), a modular design, and a wide selection of options.



The pole mounted light can be attached to the work surface or to the slat rail, making it visible throughout the call center. Any pole height is available.

Other Optional Items:

Adaptaspace also offers interior cabinet lighting, undersurface accent lighting, foot rests, wrist rests, and a variety of custom millwork storage solutions including:

- Freestanding shared storage cabinets with filing drawers (legal or letter), standard drawers and/or binder shelves.
- Lazy Susan binder carousels
- Map cabinets
- Printer cabinets or tables
- Meeting/collaboration tables

PROPOSED CONSOLE SOLUTION

QUALITY AND WARRANTY

Adaptaspace's objective is to provide its customers with zero-defect products and on-time project completion. We utilize the highest quality materials and workmanship in manufacturing our consoles. Our suppliers are carefully selected, ensuring they can meet our stringent specifications and have only the highest manufacturing standards. As a result, our customers can expect high quality solutions and short delivery schedules.

Adaptaspace's QA Program and Document Control System is in compliance with ISO 9001:2015. They have been in place since the inception of the company and are a main driver of Adaptaspace's successful on-time project completion track record.

Further evidence of Adaptaspace's initial and ongoing commitment to service excellence is the company's rating in the excellent category (92%) in its Dunn & Bradstreet Past Performance Evaluation (an independent performance review).

Adaptaspace console systems are designed for over 20 years of use in a 24/7 operating environment and we back our consoles with an industry-leading Lifetime Warranty that Adaptaspace consoles are free from defects in materials and workmanship including all fixed structural frame components, exterior panels, interior shelves, work surfaces, and all adjustable, sliding, or hinge mechanisms. Electrical components incorporated into Adaptaspace consoles, including the electrical sit/stand system and task lights, are covered by a 5-year warranty, and all OEM products supplied or incorporated into our consoles are supported with an extended warranty so the warranty shall be that of the OEM or 5 years, whichever is greater.

Adaptaspace shall be responsible for all shipping and handling costs and any labor involved in the installation of parts repaired or replaced under warranty for a period of 5 years.

Adaptaspace is committed to providing the highest possible level of customer support during and after all projects. All parts used in the manufacturing of our consoles are designed by Adaptaspace and either manufactured by Adaptaspace or by local suppliers under Adaptaspace's direction. As a result, all parts are easily available for future replacement, reconfigurations or expansions. For OEM product accessories supplied with Adaptaspace consoles, Adaptaspace monitors the availability of these products and maintains an adequate inventory to supply warranty replacements if required. Adaptaspace will ensure replacement parts will be available for five (5) years following discontinuation of product manufacture.

Lastly, please consider that, unlike many low-cost, 911 workstation solutions, Adaptaspace's proposed solutions are true consoles, designed to last for 20+ years. While consoles typically have a higher upfront cost, the full cycle economics result in significant cost savings over the life of the product.

PROPOSED CONSOLE SOLUTION

CONCLUSION

We look forward to the prospect of presenting our capabilities, and to demonstrating our ability to bring value to the Moberly Police Department ECC project. We would like to reiterate the following key takeaways why Adaptaspace believes it is best suited to supply the dispatch consoles for the ECC:

1. Our ability to add value through our collaborative product design approach allows for a custom-designed console solution driven by the Moberly Police Department's specific needs.
2. Our dedication to proper project planning and strict adherence to project schedules to ensure the project remains on track.
3. Our commitment to providing the highest level of on-site support from concept development and project planning phases through production, start-up, and post-installation.
4. Lastly, the durability and quality of craftsmanship in our consoles, backed by our industry-leading Lifetime Warranty, will provide the Moberly Police Department with exceptional full-cycle value for their investment.

MOBERLY POLICE DEPARTMENT

EMERGENCY COMMUNICATIONS DISPATCH CONSOLE FURNITURE

Response to Request for Proposals - Submittal Date: February 17, 2023 @ 4:00PM CST

SECTION 5.0 – PROJECT APPROACH AND SCHEDULE SUMMARY

PROJECT APPROACH AND SCHEDULE SUMMARY

PROJECT APPROACH

As with any project of this nature, Adaptaspace understands that once a contractor has been selected and contract awarded, time will be of the essence, and it is desirable that all subsequent stages of the project be executed in the most time efficient manner.

Upon contract award, Adaptaspace organizes a 'kick-off' meeting to include all stakeholders. This meeting allows for introductions to the project team, while also providing a starting point for the project schedule, and most importantly, focuses ownership of critical milestones. After completion of the 'kick-off' meeting, a detailed project schedule is distributed to all relevant members of the project team for review and approval. An overview of the proposed project timeline is outlined below.

Adaptaspace anticipates that there will be will the following key milestones for the project following contract award and project kick-off:

1. Design Review / Approval
2. Console Procurement / Manufacturing
3. Factory Acceptance Testing / Packaging
4. Console Delivery
5. Console Removal
6. Console Installation
7. Final Acceptance / Training

Adaptaspace anticipates delivering the consoles and beginning the installation within 8 weeks (56 days) after receiving final design approval.

The following sections outline the key milestones and indicate the lead times required for each activity. A detailed Project Schedule will be coordinated for the project after award to ensure timely completion aligned with the expectations of the project team.

Preliminary Project Schedule GANTT Chart



Item Activity	Weeks											
	ARO	0	1	2	3	4	5	6	7	8	9	
Award of Contract / Project Kick-Off	0	●										
1 Design Review	1		■									
Final Design Approval	1		●									
2. Material Procurement	2 to 6			■	■	■	■	■				
3. Manufacturing of Consoles	6						■	■				
4. Staging, Quality Testing & Packaging	7								■	■		
5. Shipping & Delivery	8									■	■	
6. Existing Console Removal	9										■	
7. Console Installation	9											■
Final Acceptance	9											●

PROJECT APPROACH AND SCHEDULE SUMMARY

SCHEDULE SUMMARY

1. DESIGN REVIEW / SIGN OFF

Time Line – 1 Week from Award Date

Key Personnel:

Prototype Design - Shawn Tissington – Manager Design Service

The preliminary design consultation process will begin immediately after Contract Award. This stage of the project has been allotted a total of 1 week to complete due to the collaborative back and forth nature of the console design process. However, this process can take as little as a couple days if fast tracked, or as long as needed to ensure that the project stakeholders are satisfied with the final design and materials.

2. CONSOLE PROCURMENT / MANUFACTURING

Time Line – 5 Weeks from Final Design Approval

Key Personnel:

Procurement – Robert Glowasky – VP Operations; Terri Thomas – Purchasing Manager

Manufacturing – Robert Glowasky – VP Operations; Brent Beeson - Manufacturing Manager

After the final design is approved, Adaptaspace will begin the procurement of materials for the manufacturing of all consoles. Purchasing is scheduled to have all critical materials arrive 1 week prior to the start of manufacturing. The longest lead time for material is 4 weeks. The long lead items are generally related to accessories that do not impede the manufacturing process timeline. Adaptaspace would anticipate having all critical materials in house 4 weeks after final design approval.

Manufacturing will be scheduled into Adaptaspace's production system and will begin once critical materials arrive. For a project of this size, Adaptaspace will require 1 week for the manufacturing phase.

3. FACTORY ACCEPTANCE TESTING / PACKAGING

Time Line – 1 Week from Manufacturing Completion

Key Personnel:

Manufacturing – Robert Glowasky – VP Operations; Brent Beeson - Manufacturing Manager

Once manufacturing is complete, each console will be fully assembled, staged and made ready for inspection and factory acceptance testing before packing and delivery. Upon completion of the factory acceptance testing, each console will be packed in a partially assembled condition to minimize installation time. Adaptaspace has allotted 1 week after manufacturing for the staging, inspection, disassembly and packaging phase.

PROJECT APPROACH AND SCHEDULE SUMMARY

4. CONSOLE DELIVERY

Time Line – 1 Week

Key Personnel:

Delivery – Tom Armstrong - Logistics & Installation

Adaptaspace will ship the packaged consoles from its Calgary dock to the Moberly Police Department's Emergency Communications Center (ECC) using a 53' air-ride trailer service. Delivery is expected to take 5 days. Adaptaspace's installation team will offload and the consoles will be unpacked and moved from the off-loading area into the ECC using moving dollies. All console modules are designed to fit through standard 30" wide doorways. Protective coverings will be provided where necessary to protect the flooring, door frames and walls along the pathway to the control room.

5. EXISTING CONSOLE REMOVAL

Time Line – 1 Day

Key Personnel:

Installation - Tom Armstrong – Logistics & Installation

Adaptaspace will dismantle and remove the existing consoles from the ECC prior to installation of the new consoles. Adaptaspace will coordinate with the Moberly Police Department to ensure that there is minimal disruption and downtime between console removal and installation of the new consoles. Each existing console will be dismantled into major functional blocks and transported to a recycle/disposal center in accordance with all state laws and regulations.

We expect Moberly Police Department technicians to have the wiring and equipment removed from all consoles prior to our removal team arriving on site. The consoles will be disassembled and removed within 1 day.

6. CONSOLE INSTALLATION

Time Line – 2 Days

Key Personnel:

Installation - Tom Armstrong – Logistics & Installation

Adaptaspace understands that the installation will need to be completed immediately after the existing console furniture is removed. Adaptaspace will have two installers on site including our installation supervisor and installation is expected to take 2 days.

We have included time to allow for moving, unpackaging, waste removal, cleaning and testing. If during the project planning it is necessary to accelerate that timeframe, Adaptaspace can provide additional resources.

Following completion of the installation, any remaining waste, installation materials, and/or tools will be removed. Adaptaspace will clean and test the consoles prior to inspection by Moberly Police Department representatives.

PROJECT APPROACH AND SCHEDULE SUMMARY

7. FINAL ACCEPTANCE / TRAINING

Time Line – 1 Day from Installation Completion

Key Personnel:

Installation - Tom Armstrong – Logistics & Installation

Once the installation is complete, Adaptaspace will perform a Field Acceptance Test of each console to be witnessed by Moberly Police Department representatives. Testing includes all surfaces, panels, hinges, locks, and all accessories, and ensures proper functioning compliance and quality conformance.

All test reports, owner's manuals, technical data sheets, and as-built drawings will be provided after testing and acceptance is complete. After completion of the install, Adaptaspace will provide console operation and maintenance training to the Moberly Police Department 911 dispatch team.

MOBERLY POLICE DEPARTMENT

EMERGENCY COMMUNICATIONS DISPATCH CONSOLE FURNITURE

Response to Request for Proposals - Submittal Date: February 17, 2023 @ 4:00PM CST

SECTION 6.0 – PROJECT REFERENCES

SUMMARY OF EXPERIENCE AND QUALIFICATIONS

Adaptaspace has a long and proven history responding to the needs of 24/7 Mission Critical Control Room projects, supplying quality and innovation through our PROCESS console workstation solutions and complementing control room accessories. We apply our 'human-centered' design approach towards the development of functional and responsive product solutions to the standards of quality, schedule, performance, while keeping costs as low as possible to ensure our customers realize the best value for their investment.

Since the inception of the company in 2003, Adaptaspace has established itself as a respected supplier of quality, custom console and technical furniture solutions, designed and fabricated to withstand the rigors of 24/7 Mission Critical operational environments. Our portfolio includes a number of projects for the transportation industry including to the private sector, municipal, state/provincial, and federal government agencies.

The management and senior employees at Adaptaspace have been working in this industry for well over 20 years, including work with other console manufacturers, modular building systems, general construction and architecture.

Adaptaspace typically completes 40-60 projects per year, ranging in size from \$5,000 to over \$2,000,000. Adaptaspace's operational structure is easily scaled up to complete large projects in excess of \$2 million and can be utilized to meet demanding project schedules.

Utilizing high quality materials and workmanship in both design and manufacturing of our products, we carefully select suppliers which meet or exceed our stringent specifications and industry standards. As a result, our customers can expect quality solutions, a short delivery schedule and a QA Program based on ISO 9000 recommendations and Greenguard certified products, which has been in place since the inception of the company.

PROJECT REFERENCES

The following project summaries and reference information represent a small sample set of our past project experiences and are offered to demonstrate Adaptaspace's ability to support the requirements of 24/7 Control Room Operations for Emergency Response Centers.

Adaptaspace clients are happy to support our company and provide references, however some prefer to not have their contact information provided in the references. Each reference includes a brief summary and photographs. Contact us if you require additional information.

1.0 NEW YORK CITY POLICE/FIRE EMERGENCY SERVICES CALL/DISPATCH CENTER – (PSAC II)

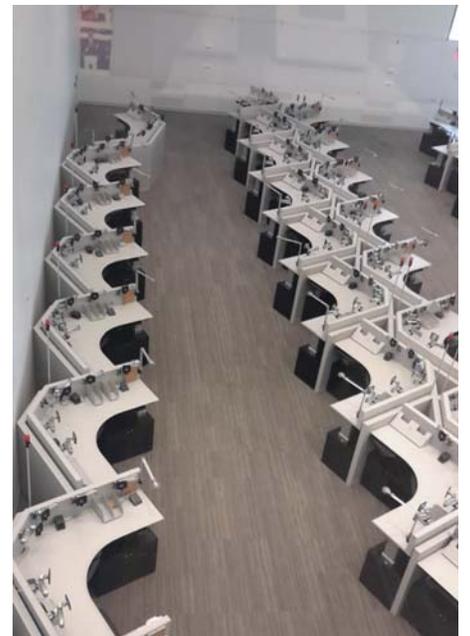
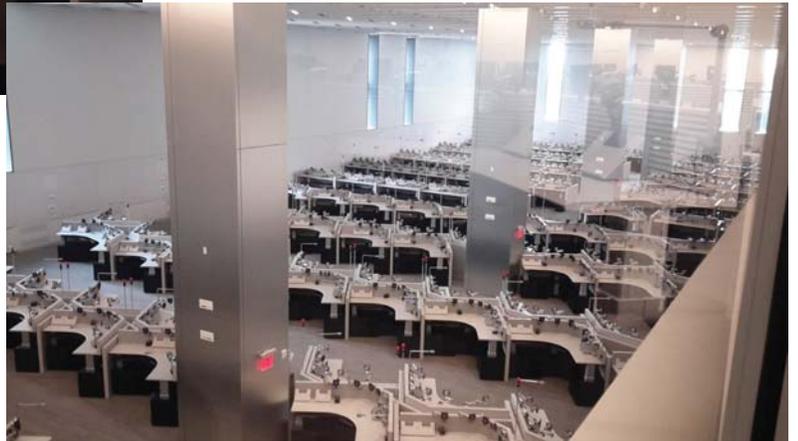
Demonstrating Adaptaspace’s ability to scale our operation and process in support of large project applications, we have included a summary of our largest single control room project, the Public Safety Answering Center (PSAC) II project, for the City of New York. The new center houses both the NYPD and the FDNY call centers and respective training centers. Consoles support Call Takers, Dispatchers, Emergency Response Teams, and associated support functions.

Adaptaspace provided all design, manufacturing and installation services for the console requirements on the project, including training and ongoing maintenance services. Manufacturing of the 420 consoles was completed during a four month period between May-August 2014 and all consoles were delivered to the site on time. Installation was completed in two phases during late 2014 and the summer 2015, in close coordination with, and under the direction of, the building construction team lead by Tishman Construction.

Adaptaspace continues to work closely with the City of New York supporting its service and maintenance needs as well as providing consoles for several other control room locations since 2015.



1.0 NEW YORK CITY PSAC II (Cont...)



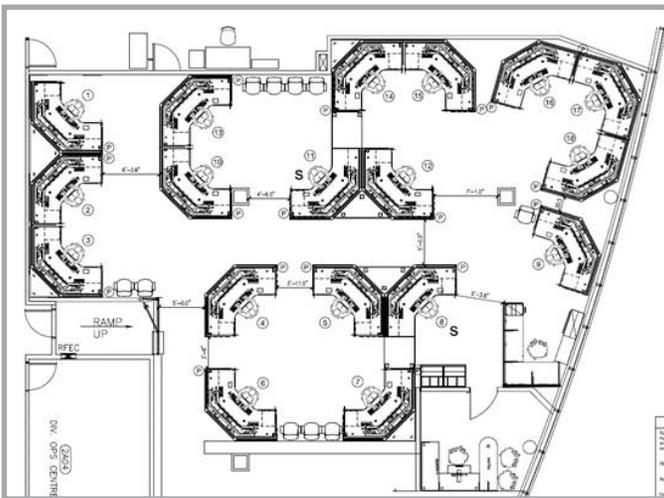
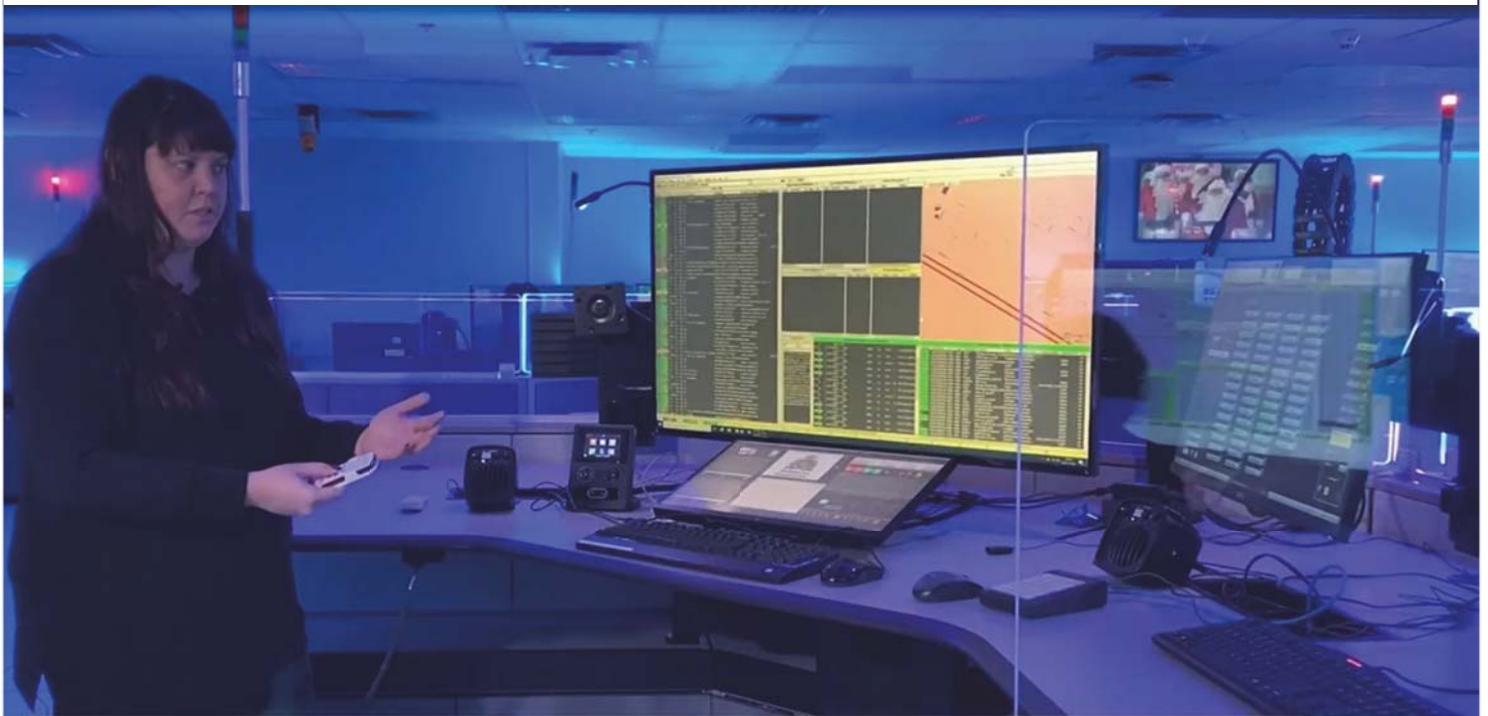
Customer Name: New York City Police/Fire Public Safety Answering Center (PSAC II)
Address: 30 Thomson Avenue, Long Island City, NY11101
Telephone Number : 718-391-1765
Contact Person & Email: Dale Peterson, Project Executive, petersoda2@ddc.nyc.gov
Type of System: Genesis 911
Date Completed: Original project August 2015 (Additional Installations 2019 & 2020)

2.0 ROYAL CANADIAN MOUNTED POLICE (RCMP) DIVISION F & K—OPERATION COMMUNICATION 911 CENTERS

The RCMP renovated their OCC centers in 3 cities over 2 provinces. Division K is the province of Alberta in both Edmonton and Red Deer. Division F is located in Regina in Saskatchewan.

The Adaptaspace design team redesigned each facility working with the room constraints while considering access/ egress into and within the room as well as meeting the challenging ergonomic operator requirements.

The consoles include our Slat Rail Monitor Array offering height and telescopic adjustment in addition to the sit-stand worksurface. Other console features include left/right integrated operator connectivity, digital personal environment air cooling/heat system, personal storage, ambient colored lighting, plexiglass separation between operators, acoustic wall system and additional companion storage furniture throughout the rooms.



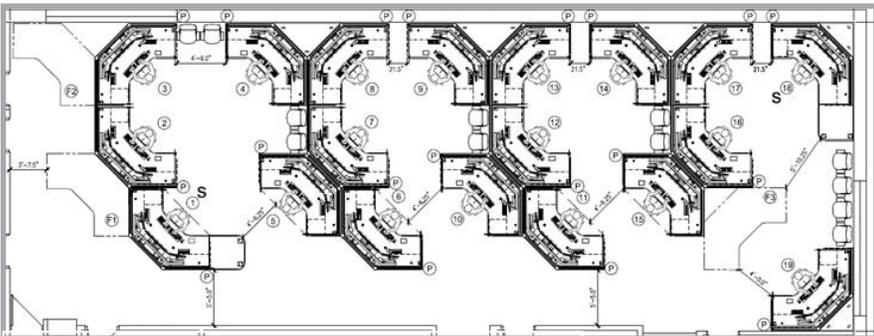
K Division—Edmonton, Alberta



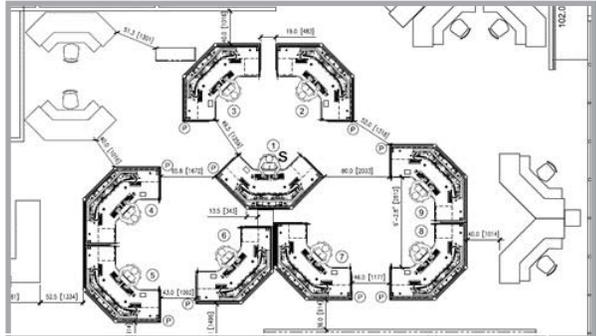
2.0 RCMP— DIVISION F & K—OPERATION COMMUNICATION 911 CENTERS—CONT'D



Customer Name: RCMP
 K Division NAOCC—AB
 F Division OCC—SK
Address: Multiple locations
Contact: details upon request
Type of System: Process 911
Date Completed: 2022/2023



K Division—Red Deer, Alberta



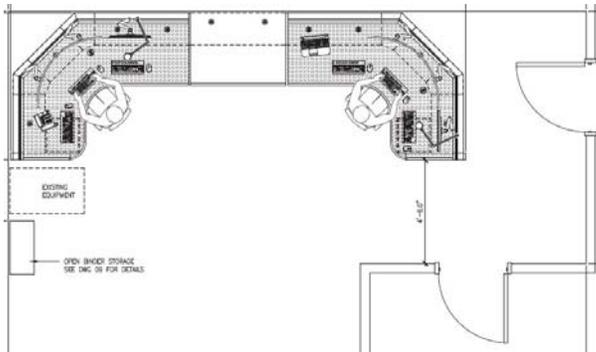
F Division—Regina, Saskatchewan

3.0 KEESLER AFB—MILITARY POLICE

Adaptaspace designed, manufactured and installed operator consoles in 2 rooms for Kessler AFB. The consoles were designed to accommodate tight room constraints, while maximising the operator worksurface space, providing an ergonomic environment and house all internal equipment. There were additional requirements for storage and map reading space. The project installed in December 2022.



Customer Name: US Air Force, Keesler AFB, Military Police
Address: 4503 M St, Biloxi, Mississippi, 39530
Telephone Number : contact details upon request
Contact Person & Email:
Type of System: Process Modular Consoles
Date Completed: December 2022

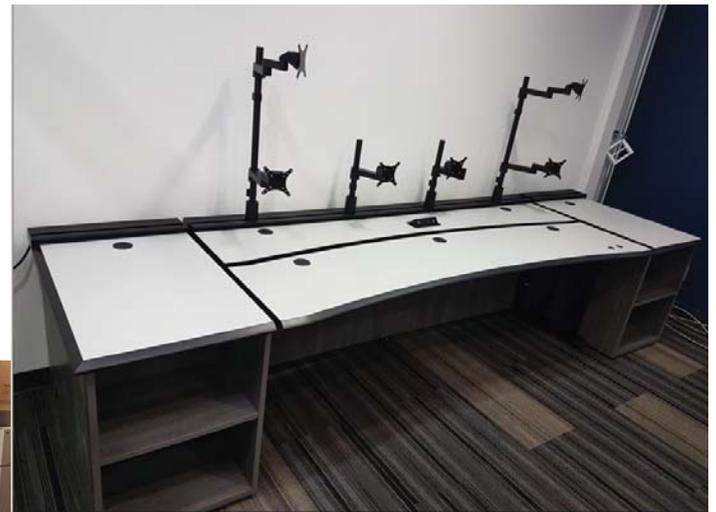
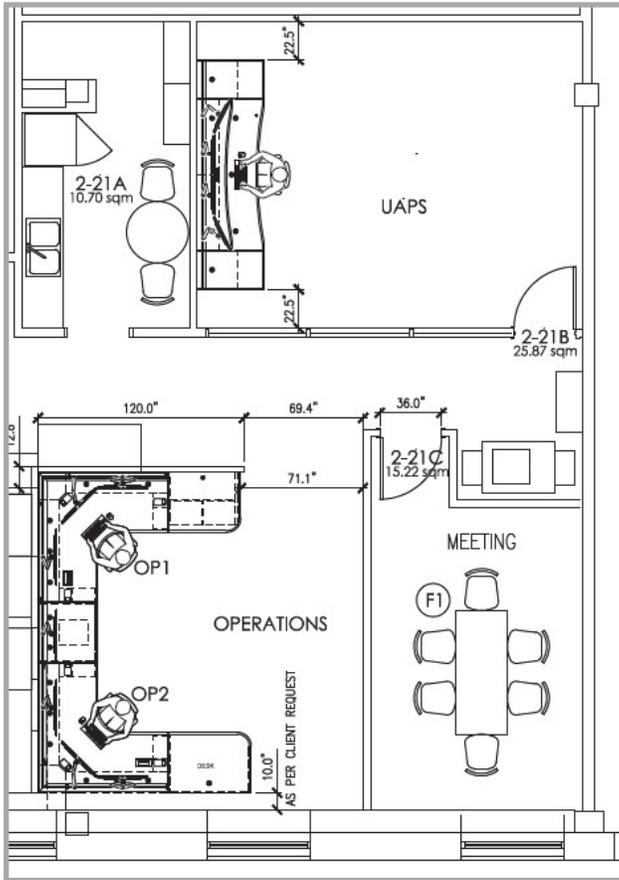


4.0 UNIVERSITY OF ALBERTA—UNIFIED COMMUNICATION CENTER

The University of Alberta combined their communication departments into one center including the University of Alberta Police Services (UAPS). The two areas have very different requirements and Adaptaspace was able to meet their needs using the Process console modular system.

The spaces were small and the flexibility of our modular system easily adjusted to fit the space while accommodating the equipment , extensive cable management and while maintaining all ergonomic requirements.

Project installation completed in 2021

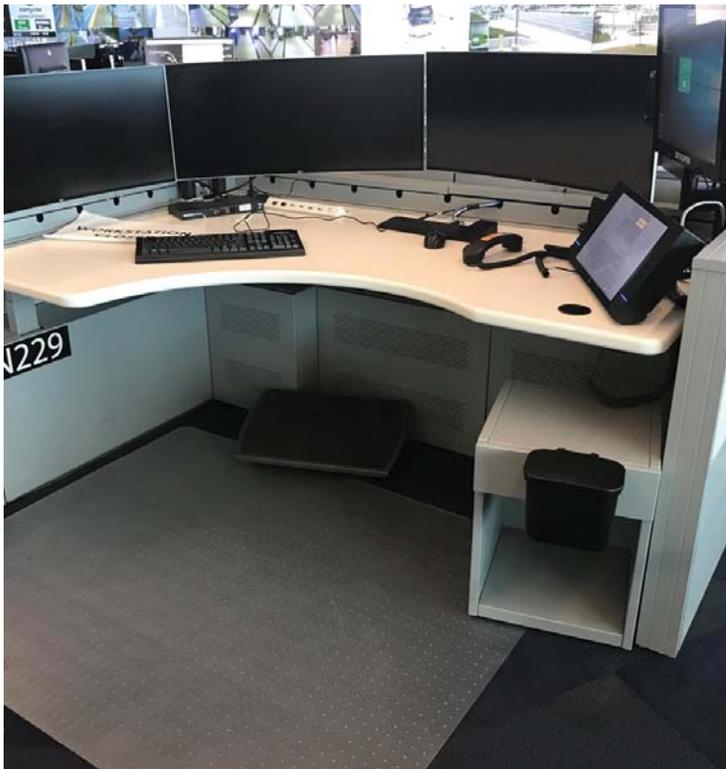


Customer Name: University of Alberta
Address:
Telephone Number : contact details upon request
Contact Person & Email:
Type of System: Process Modular Consoles
Date Completed: March 2021

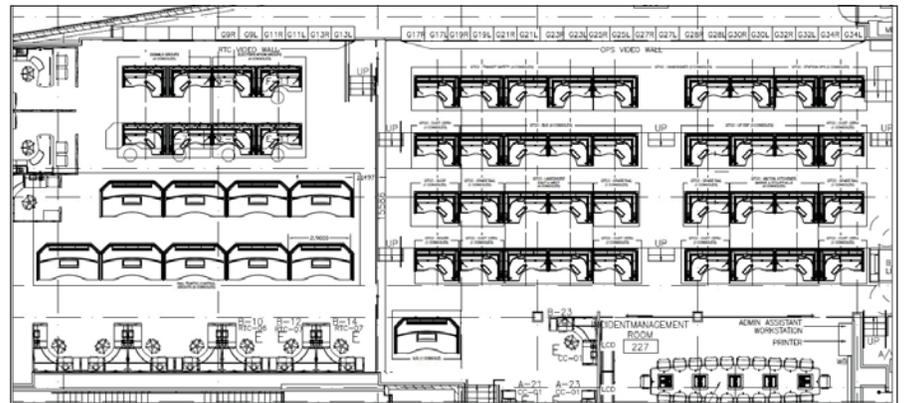
5.0 METROLINX - GO TRANSIT CONTROL CENTRE —TORONTO (INCLUDES DISPATCH)

Adaptaspace designed, manufactured and installed 56 operator and dispatch consoles for Metrolinx, an agency of the Government of Ontario, for the new GO Transit Control Centre supporting the Greater Toronto and Hamilton Area (GTHA).

Close collaboration between Adaptaspace, Metrolinx, its consultant IBI Group, and the general contractor Turner Construction, resulted in a custom design based on the GENESIS console system that met the needs of all stakeholders. Two console configurations were provided in four tiered rows facing a large display wall. Each console incorporated sit-stand 'Corian' solid work surfaces, 42" high acoustic partition walls with lower equipment cabinet access, custom cable raceways, large screen display support and a unique display pan recessed into the work surface. The project was installed in two phases in January and March of 2018.



Customer Name: Metrolinx
 Go Transit Control Centre
Address: Toronto, Ontario, CA
Telephone Number : contact details upon request
Contact Person & Email:
Type of System: Genesis Modular Consoles
Date Completed: March 2018



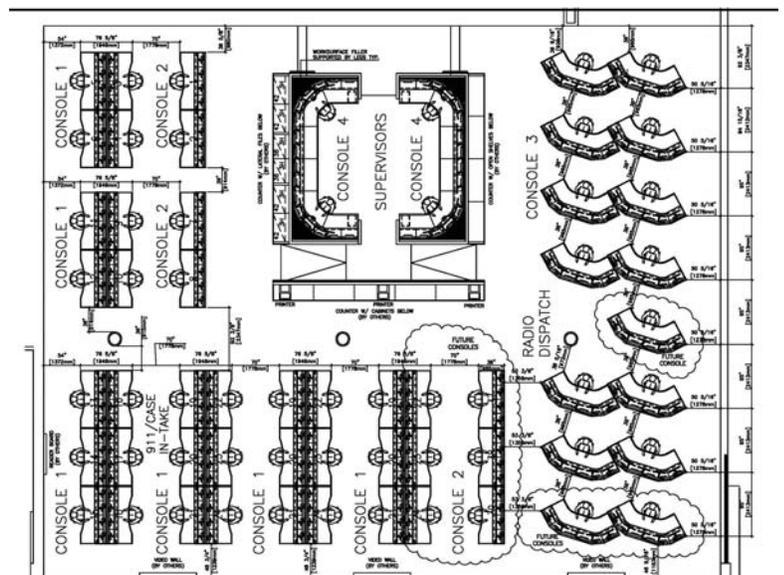
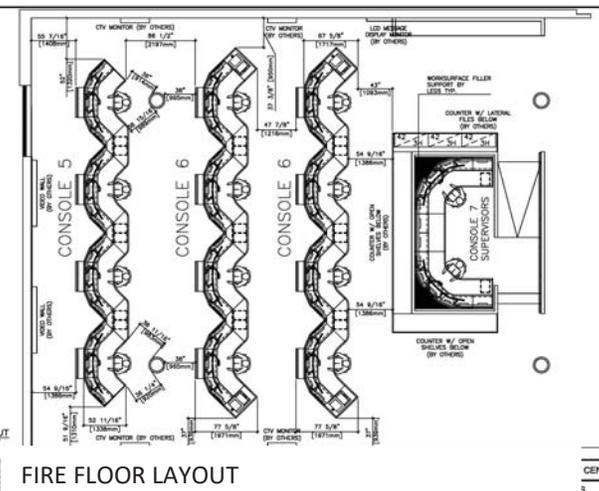
6.0 NASSAU COUNTY FIRE /POLICE/911

Adaptaspace completed the new consolidated control room for the New York Nassau County Fire/Police & 911 at the end of 2010. Nassau County's new Emergency Response Centre is located in Westbury (NY) on Long Island and houses both the Police and the Fire departments call centers. With a total of 72 positions (including 6 future positions), the emergency room is divided in 5 sections:

- Police call takers: 27 positions, most in a back to back configuration; over 9 rows;
- Police Dispatchers: 15 independent curved positions over 8 rows ;
- Police Supervision: 4 positions in 2 horseshoe shapes;
- Fire Call Takers: 12 positions over 3 rows;
- Fire Supervision: 2 positions in 1 horseshoes shape.

To cater for a fast track installation, Adaptaspace and the customer agreed on 4 staged deliveries at 1 week intervals. As each console frame and associated work surfaces were installed, the customer was able to start doing electrical installation and connect computers, monitors, etc. Doors, privacy panels and millwork accessories were part of the last shipment, to reduce impact on the customer activities.

This entire project was designed and implemented with the direct involvement of the customer and multiple levels of design firms, architects and the main contractor, E&A Restoration. This close collaboration between all parties ensured that the Nassau County Police and Fire Departments received a state of the art emergency response center. Thanks to the ergonomic design of the consoles, call takers and dispatchers will not be subject to physical stress due to the workstation that they sit at. They will be able to concentrate on the task at hand and provide a more effective service to the community.



POLICE FLOOR LAYOUT

Customer Name: Nassau County Fire/Police/911
Address: 1490 Franklin Avenue, Mineola, NY 11501
Telephone Number : (516) 573-7932
Contact Person & Email: Edmund J. Horace, Deputy Chief, EHorace@pdcn.org
Type of System: Process Modular Consoles
Date: July 2010

7.0 CANADIAN COAST GUARD

Adaptaspace supplied all console required for each of the 12 regional centers and 1 training center across Canada, representing a total of 122 consoles. Adaptaspace acted as a subcontractor to Frequentis Canada, the supplier of the integral-communications system.

The project was implemented in 2 phases: design and manufacturing/installation. The design phase started in February 2011 and consisted of 3 main activities:

1. Data collection, including visits to sites. The output of this activity was a design report, describing the constraints analysis, ergonomic study and preliminary design;
2. A Design Workshop, which included a first prototype and a detailed review with the end users and Coast Guard Design Team;
3. A Preliminary Design Review with a full prototype and second detailed review with the end users from each region (completed in September 2011);

Following the design review, 18 different operator configurations were designed, to cater for the various situations in each center. Each operator position includes:

- 6 to 12 - 21" LCD monitors mounted on dual height piston assisted monitor arms installed on the Accessory Beam
- Touch Screens mounted on a piston assisted arm with a special knuckle to adjust the screen from horizontal to vertical
- 8 speaker shelves mounted on a piston assisted arm and attached to the Accessory Beam
- 2 dual articulated task lights attached to the Accessory Beam
- 1 turret with a 19" rack mount for additional radio and recording equipment, including an ambient microphone for recording of all sounds around the operator position
- 2 Radio headset (left and right), microphones, a foot pedal to control the radio and keyboard and mice.

The console scope included 80 main operator consoles used for Vessel Traffic and Communications Management, 24 maintenance positions, 8 training positions and 13 back-up positions. The main operator position configurations range from L to U and V shapes and are all sit/stand. Their overall dimension ranges from 8'x9' to 7'x21'. The first 8 Operation Centers and the Maintenance Training Center installations were completed in 2013. The last four Operation Centers were completed in 2014. The Operation Training Center was completed late 2015.

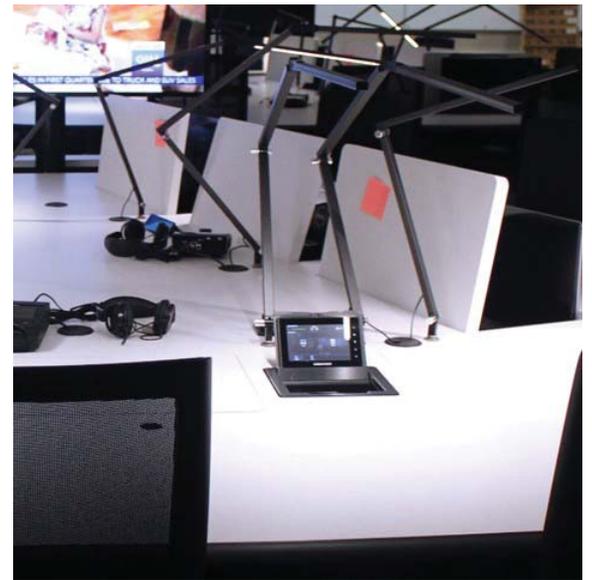
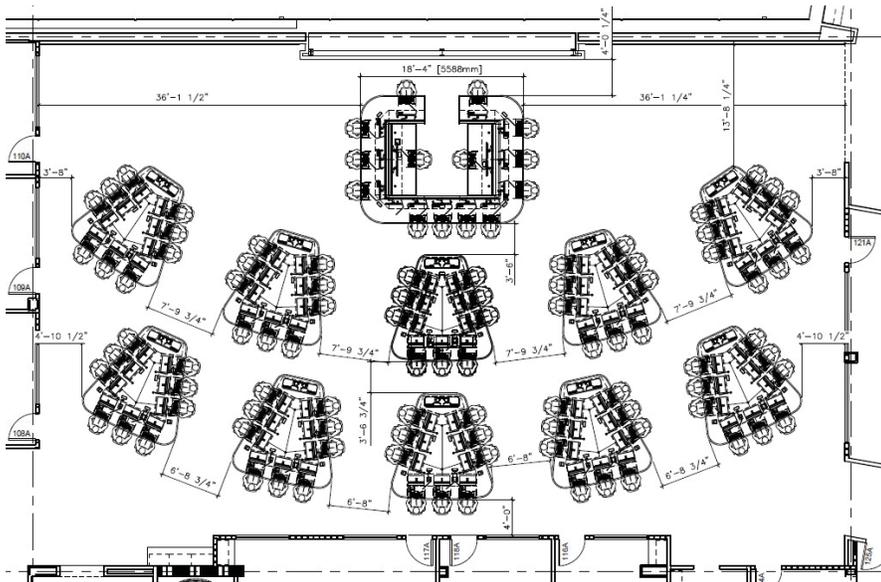
Since the initial project there have been two additional facilities in 2019.



Customer Name: Canadian Coast Guard, Frequenti
Address: locations Canada wide
Date Completed: 2015 & 2019
Telephone Number: (613) 238-3020 Ext 232
Contact Person & Email: Francis Beauchesne, Frequentis Canada, francis.beauchesne@frequentis.com
Type of System: Genesis Modular Console
Date Completed: 2015 & Additional Installations 2019

8.0 WILLIAMSON COUNTY — EMERGENCY OPERATIONS CENTER

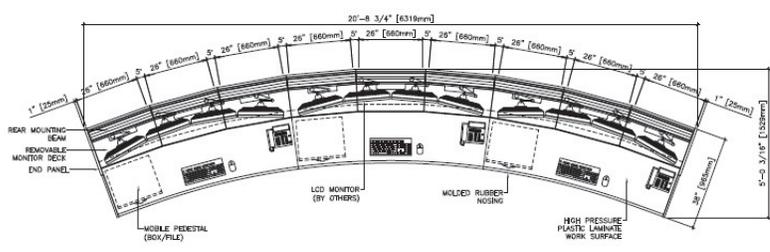
Adaptaspace designed, manufactured and installed 10 custom EOC tables and a 15 position head console for Williamson County’s new Public Safety Facility located in Franklin, Tennessee. In 2016 each of the 10 tables were designed to support 9 positions (3 on each side) facing a 50” wide screen monitor on an electric lift recessed at the head of the table that was integrated into a Crestron touch screen control. Each of the 9 positions included a 17” display with a custom storage tray for a keyboard and mouse set mounted to individual electric lifts that were recessed under the table and was raised for viewing and operation as required. When the displays are retracted, the EOC table was designed to be flat and free of obstructions. Also included on the table were individual task lights for each position. The head console was designed using our Process console system and supported 15 operators with 24” monitors on articulating monitor arms and task lights mounted to Adaptaspace’s Rear Accessory Beam and included undersurface keyboard platforms.



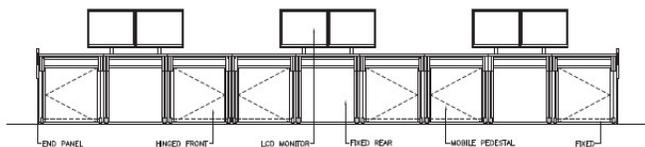
Customer Name: Williamson County Emergency Management Agency
Address: 1320 West Main Street, Franklin, TN 37064
Telephone Number : (615) 790-5752
Contact Person & Email: Mac Purdy, Director, macp@williamson-tn.org
Type of System: Technology Torna Tables and Process Modular Consoles
Date Completed: Oct 2016

9.0 DALLAS POLICE FUSION CENTER

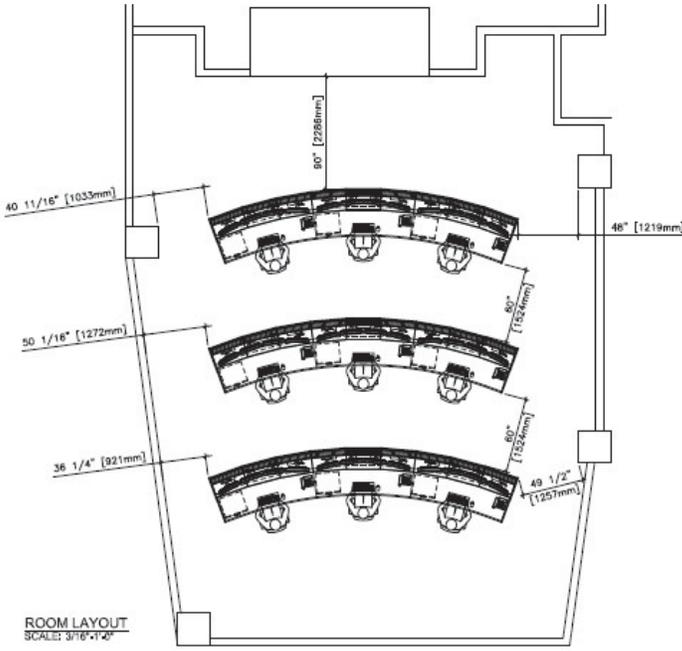
Completed in March 2009, the Dallas Police Fusion Center is a state-of-the-art Police Call Center housing a total of 9 positions over 3 rows. The consoles were configured using a custom adaptation of Adaptaspace’s Genesis console system with fixed work surfaces and removable cable management decks. The arc of each row maximized the effective workspace on each console while maintaining proper aisle clearances in the room. Each console position has 4–23” monitors mounted on Adaptaspace’s Accessory Mounting Beam, located at the back of the work surface, as well as a mobile pedestal underneath.



CONSOLE LAYOUT - TYPICAL OF 3
SCALE: 1/2"=1'-0"



CONSOLE ELEVATION - TYPICAL OF 3
SCALE: 1/2"=1'-0"

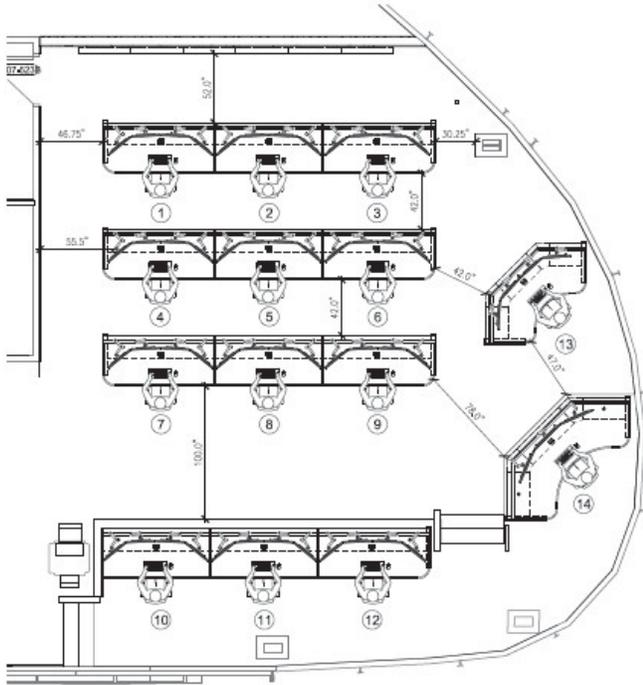


ROOM LAYOUT
SCALE: 3/16"=1'-0"

Customer Name: Dallas Police Fusion Center
Address: 1400 S. Lamar, Dallas, TX 75215
Telephone Number: (214) 213-8839
Contact Person & Email: Paul Schuster,
Type of System: Genesis Modular Console
Date Completed: March 2009

10.0 EDMONTON INTERNATIONAL AIRPORT—SECURITY

The Edmonton International Airport together with the architect and the Adaptaspace design team, created an ergonomic solution for their security control room. The AV Wall screens are easily visible from all operator positions. Mounted on the Flex Rail Beam all monitor arms and task lights offer optimal ergonomic adjustment in addition to the sit-stand worksurfaces.

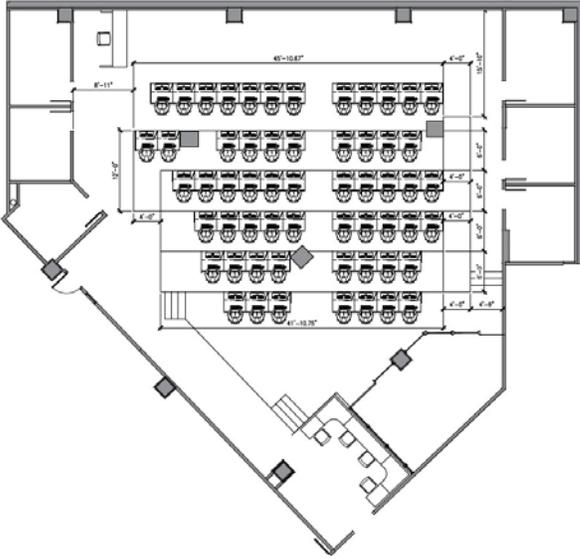


Customer Name: Edmonton International Airport Security
Address: Edmonton, AB
Telephone Number : contact details upon request
Contact Person & Email:
Type of System: Process Modular Consoles
Date Completed: January 2023



11.0 TENNESSEE NATIONAL GUARD

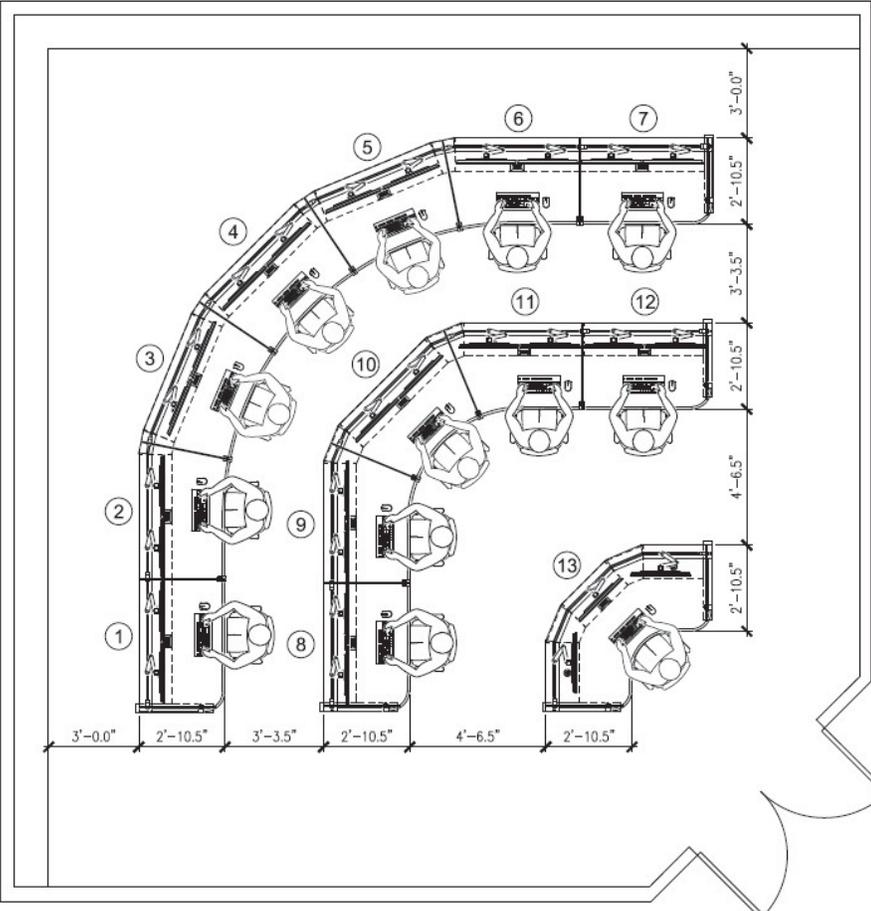
Adaptaspace worked together with an integrator to provide a design based solution accommodating 32" curved screens which lowered into the cabinet at the push of a button. The room layout includes 12 straight rows of consoles on a theater stepped floor to ensure all operators clear sightlines to the AV Wall.



Customer Name: US Army, Tennessee National Guard EOC
Address:
Telephone Number : contact details upon request
Contact Person & Email:
Type of System: Process Modular Consoles
Date Completed: October 2020

12.0 HENDRICKSON—UNIVERSITY CYBER SECURITY

Adaptaspace designed, manufactured and installed operator consoles in the Advanced Computation Building at the University of Illinois. Working together with a Security Integrator the consoles were designed to maximize the room space while maintaining sight lines to the AV Wall. The project installed in March 2022.

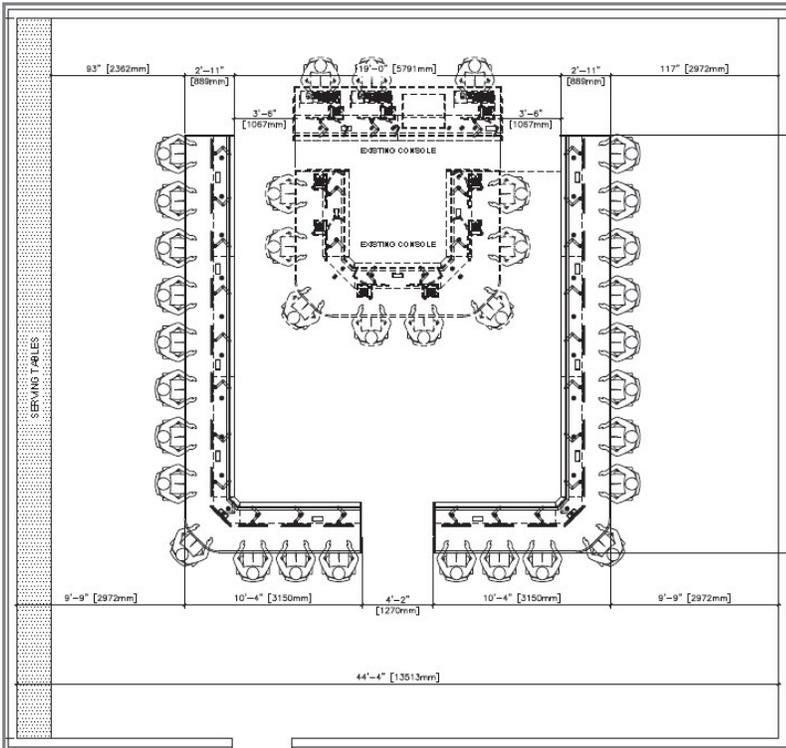


Customer Name: Henrickson—University Cyber Security
Address: University of Illinois, 1011 W Springfield Ave, IL
Telephone Number : contact details upon request
Contact Person & Email:
Type of System: Process Modular Consoles
Date Completed: 2022



13.0 CITY OF ANNAPOLIS

The project console manufacturing and installation happened in 2 consoles. The central and linear consoles were installed in 2016 with the outer consoles following in 2017. Each position has surface connectivity and ergonomic monitor arms mounted from the Adaptaspace Flex Rail Beam positioned at the back of the worksurface. There is a podium integrated in the front linear console.



Customer Name: City of Annapolis
Address: 199 Taylor Ave., Annapolis, MD 21401
Telephone Number : contact details upon request
Contact Person & Email:
Type of System: Process Modular Consoles
Date Completed: 2016 & 2017

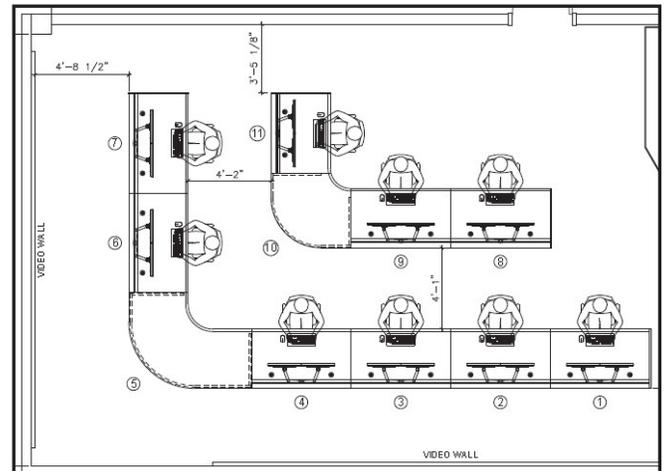


14.0 FT LAUDERDALE POLICE DEPARTMENT

Working together with an Audio Visual company Adaptaspace provided consoles for Ft Lauderdale Police Departments. The simple design fits the room space while maintaining access and egress within the room and accommodates ergonomic monitors on our Flex Rail Beam positions at the rear of the console.

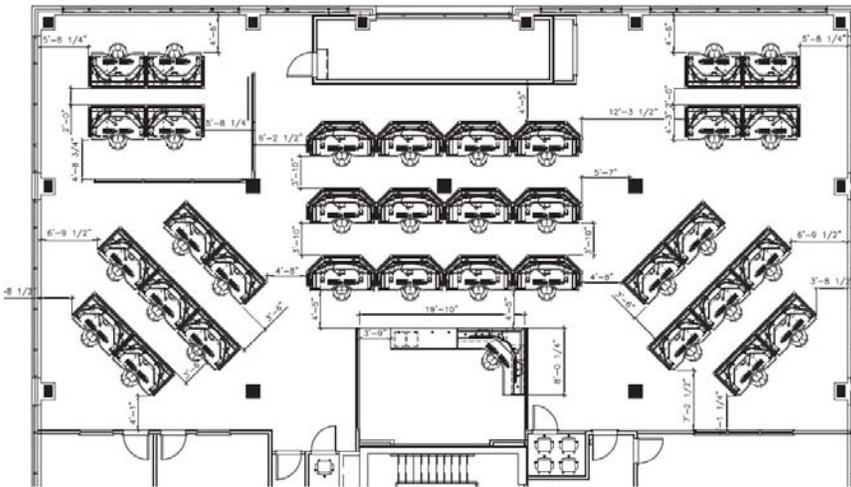


Customer Name: Ft Lauderdale Police Department
Address: 1300 West Broward Blvd, Florida
Telephone Number : contact details upon request
Contact Person & Email:
Type of System: Process Modular Consoles
Date Completed: June 2016



15.0 URGENCES-SANTE - EMERGENCY MEDICAL SERVICES DISPATCH CENTRE

Adaptaspace designed, manufactured and installed 34 console positions for Urgences-sante’s new emergency dispatch centre in 2015. Urgences-sante provides emergency medical services for the cities of Montreal and Laval and is one of the largest paramedic services in Canada. The dispatch centre utilizes two console types designed by Adaptaspace using a custom adaptation of the Genesis console system with dual height adjustable work surfaces, a 42” high acoustic panel wall system with a clear acrylic top panel, integrated desktop patch panel, status indicator light controls and personal storage units. The both console types were designed to support four 24” wide screen monitors on a single tier, along with touch screen monitors on articulating arms within reach of the operator.



Customer Name: Urgences-Sante - Emergency Medical Services Dispatch Centre
Address: 6700 Rue Jarry E, Montréal, QC, H1P 0A4
Telephone Number: Contact Details upon request
Contact Person & Email:
Type of System: Genesis Modular Console
Date Completed: 2015

MOBERLY POLICE DEPARTMENT

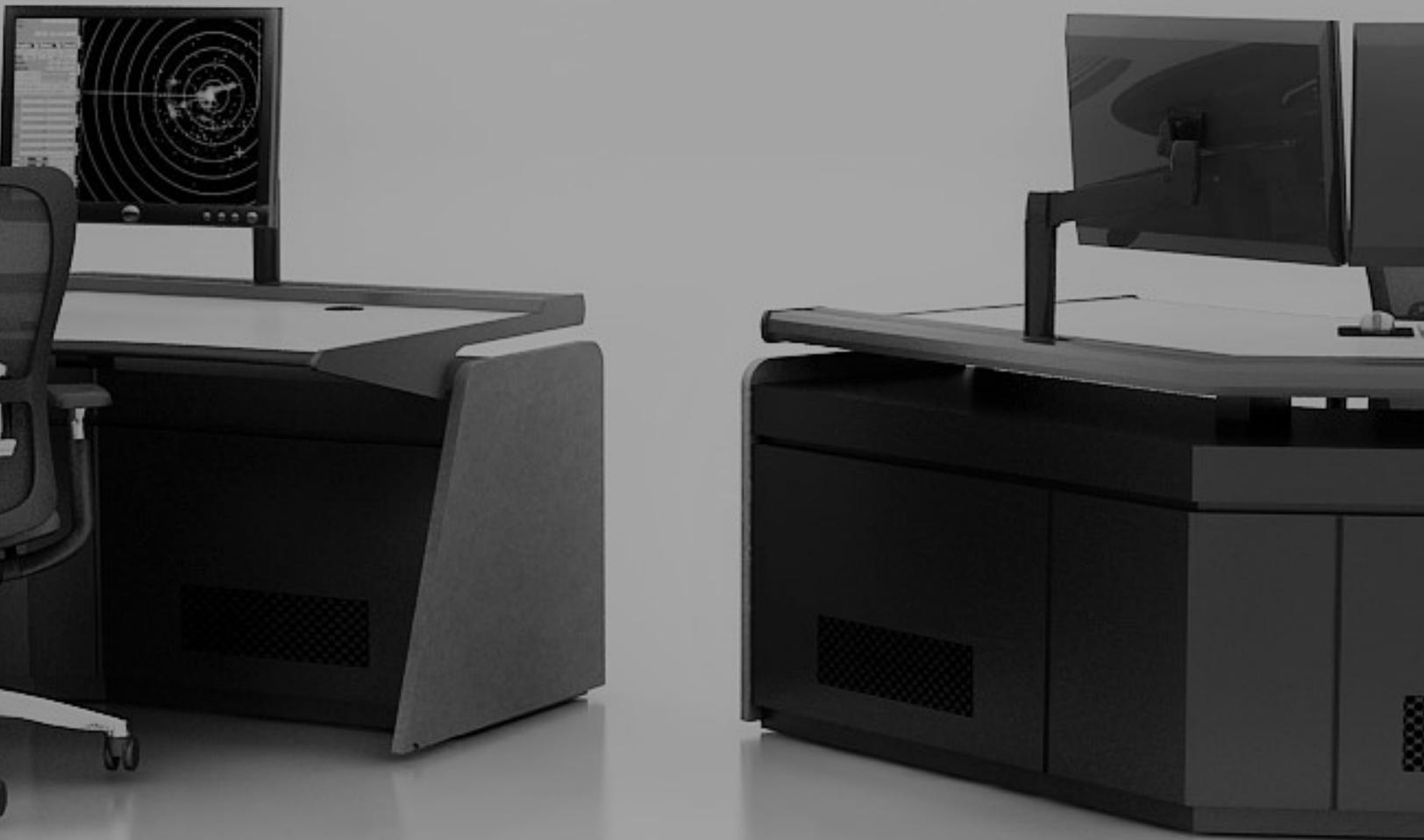
EMERGENCY COMMUNICATIONS DISPATCH CONSOLE FURNITURE

Response to Request for Proposals - Submittal Date: February 17, 2023 @ 4:00PM CST

SECTION 7.0 – SUPPLEMENTARY INFORMATION

PROCESS Console System

TECHNICAL SPECIFICATION





INTRODUCTION

The PROCESS Console has been designed to withstand the rigors of 24/7, intensive use environments while incorporating the latest ‘best practices’ in ergonomic design in a flexible, highly durable and aesthetically appealing console system.

The PROCESS Console System provides Adaptaspace with the flexibility to respond to project specific requirements at time of initial design, configuration, and installation; while providing our customers with the potential to adapt to future growth resulting from evolving operational and technological requirements. Our cost effective, modular approach ensures our customers realize the best value for their control room furniture investment during the operational life of the control room facility.

GENERAL PRODUCT INFORMATION

Standard Dimensional Information:

- Console Depth: worksurface front to rearmost point = 38" (965 mm)
- Console Height: Floor to top of worksurface = 28 1/2" (724 mm)
- Console Height: Floor to top of single monitor = 46 1/2" (1,181 mm)

Processor Space

Maximum processor size:

Shelf Type	Fixed	Door Mounted	Slide-out
Width	12" (305 mm)	8 1/2" (216 mm)	12" (305 mm)
Depth	24" (610 mm)	17 1/2" (445 mm)	18 1/2" (470 mm)
Height	22" (559 mm)	20 1/2" (521 mm)	20 1/2" (521 mm)

Note: the above information represents typical dimensions. The cross-sectional dimensions and components of the PROCESS™ console can be extended to match any equipment requirements.

The PROCESS Console is fully compliant with and has been successfully tested to **ANSI/BIFMA X5.5-2008 standard**. Test report is available upon request.

Monitor Space

Maximum monitor size is limited only by the desired console module length (ex. if 72" (1,830 mm) module length is required then maximum monitor width would be 3 @ 27" (610 mm) diagonal or 4 @ 21" (533 mm) diagonal per tier of monitors).

MATERIAL AND PERFORMANCE SPECIFICATION

Console Structure

Typical PROCESS console system consists of the following components:

Extrusions (Aluminum Alloy)

The structural extrusions are constructed of thick wall, custom profile extruded aluminum. The structural extrusions are cut to length with a manufacturing tolerance of: linear +/- 1/32", angular +/- 0.25 degrees.

Structural Sheet Metal Components

Precision-tooled cold-rolled steel is used for structural components such as processor cabinet frames and structural gussets. All surfaces are finished with a highly durable electrostatic powdercoat finish. Manufacturing tolerances on the structural sheetmetal components are linear: +/- 0.020" angular +/- 0.25 degrees.

TYPICAL COMPONENTS:

FLEXRAIL Accessory Beam:

Adaptaspace's FlexRail rear accessory mounting beam is constructed of thick wall, custom profile extruded aluminum. It is mounted at the back of the console frame and supports all accessories such as monitor arms, tasklights and telephone shelves. Accessories may be installed anywhere along the beam and may easily be moved after installation. It also supports optional slatwalls and privacy panels.

Processor Shelves:

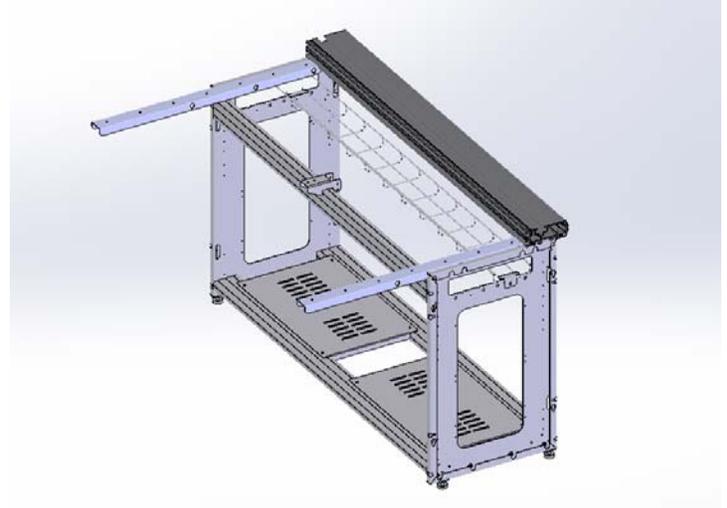
Material:	Fixed:	14 gauge cold rolled steel (CRS)
	Door Mounted:	14 gauge CRS
	Slide-out:	14 ga CRS + Industrial Accuride Slides
Capacity:	Fixed:	100 lbs. (per std 24" module)
	Door Mounted:	50 lbs. (per shelf)
	Slide-out:	90 lbs. (per shelf)
Finish:	Black Powder Coat	

Worksurface Support Arm

Material:	10 gauge Cold Rolled Steel
Finish:	Black Powdercoat

Console Support Foot

Material:	10 gauge Cold Rolled Steel
Finish:	Black Powdercoat



TYPICAL CONSOLE ATTACHMENTS

Removable Cable Access Panel:

Standard on sit/stand configuration; Option on fixed configuration
Removable to provide access to the cable trays
Material: 1" MDF with high pressure laminate surfaces
Capacity: 300 lbs

Power Bars (Domestic):

Standard: 15 amps - 125VAC; 6 Outlets with 6' Cord,
Optional: 20 amps - 125VAC with NEMA 5-20P or L5-20P outlets

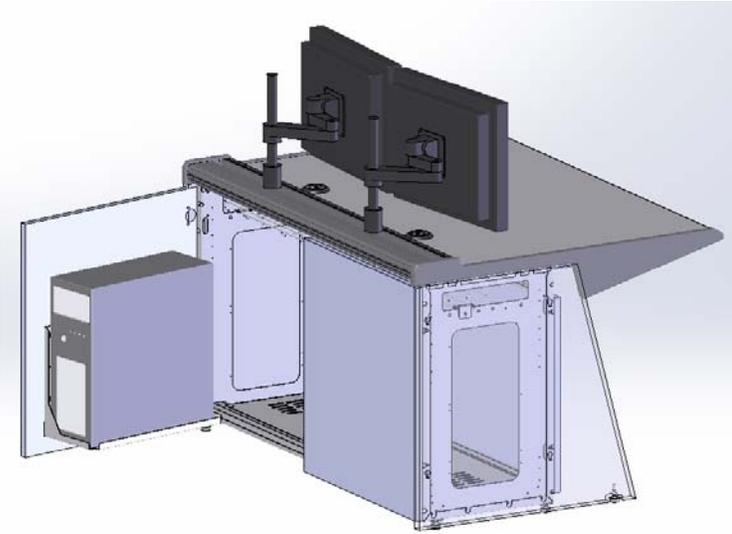
Cable management:

Each PROCESS console module has built-in cable management that provides continuous cable management along the entire length of the console.

The standard built-in cable management system is designed to accommodate one 1" x 4 1/2" (25 x 114 mm) wiring run.

Rackmount Kits: (19" - 483 mm wide rackmount)

Internal kit (inside cabinet) = 10 Rack Units (17 1/2" - 445 mm)
Full Upper rackmount kit = 8 RU (14" - 356 mm)
Partial Upper rackmount kit = 2 RU (3 1/2" - 89 mm)
Material: 12 gauge cold rolled steel
Finish: Black Powdercoat



WORKSURFACES

The rigid PROCESS worksurface is designed to provide a smooth level workspace. It complies with accepted human factors criteria and all ergonomic standards have been taken into consideration including knee well space, view/reach distances and keyboard height. The optional sit/stand height adjustable worksurface provides further flexibility by allowing for variable height positioning within a 25 1/2" (648 mm) range (standard is 28 1/2" to 54" [724 mm to 1352 mm] from the nominal 28 1/2" [724 mm] high fixed worksurface position). Both fixed and height adjustable worksurface configurations comply with US Federal Government ADA accessibility regulations.

Materials:

1" particle Board with high pressure plastic laminate face surfaces
- nominal thickness: 30 mm (1-1/8")

Front edge: waterfall molded high impact PVC (soft rubber) nosing.

Static Load: 100 lb./ linear ft. (149 kg / linear m)
Maximum per adjustable worksurface 540 lbs (245 kg)
with 2 actuators, 810 lbs (367 kg) with 3 actuators and
1,080 lbs (190 kg) with 4 actuators.

Note: custom finishes and materials also available for worksurfaces

CLADDING OPTIONS (PANELS)

Hinged door panels:

Standard: Standard: 11/16" (17.5 mm) particle board with high pressure laminate faces & edges.
Optional: 16 gauge steel, wood veneer or other finish materials as may be specified.

End Gables:

Standard: Standard: 11/16" (17.5 mm) particle board with high pressure laminate faces & edges.
Optional: 16 gauge steel, wood veneer or other finish materials as may be specified.

Privacy Panel Options:

6" to 36" (152 mm to 915 mm) high Privacy Panel:

Standard: Standard: 11/16" (17.5 mm) particle board with high pressure laminate faces

Optional: Front with Slatwall - Back with HPL
Front with Fabric - Back with HPL
Front and Back with Fabric
Front and Back with HPL
Glass or Plexiglas

Custom panel materials are available - curved 14 gauge steel, wood veneer or other finish materials as may be specified.



SIT/STAND WORKSURFACE

- The SIT/STAND electric height adjustable worksurface option is available for the base PROCESS console and retains the standard PROCESS desktop look.
- The workstations may be built in straight or radial modules.
- The modules may be stand-alone or be grouped together in work clusters as may be required.

ACTUATOR SYSTEM

- The system is capable of lifting a total of 540 lbs (245 kg) with 2 actuators, 810 lbs (367 kg) with 3 actuators and 1,080 lbs (490 kg) with 4 actuators.
- Worksurface may consist of a single deck or dual front and rear deck operating independently.
- Range of travel is 25 1/2" (648 mm): standard height setting of 28 1/2" (724 mm) above floor to 54" (1352 mm) above floor.
- Speed of travel under load is 1 1/2" per second (38mm per second). Lift system operation is virtually silent.

CABLE MANAGEMENT

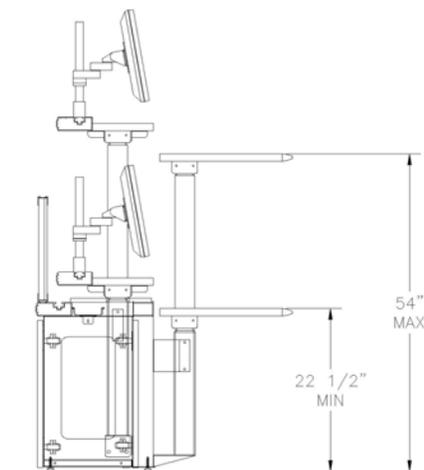
- Cable capacity is same as the standard PROCESS module. The vertical travel of monitor and desktop accessory cables is managed via flexible vertical cable chains.

EQUIPMENT CAPACITY

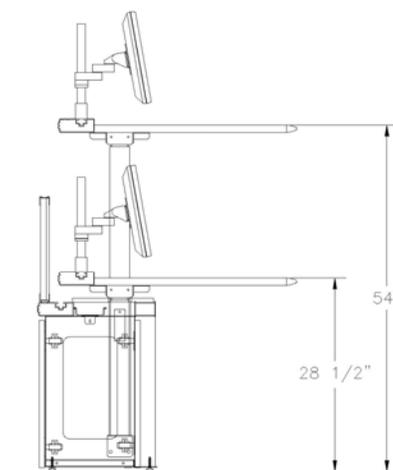
- Lower processor cabinet equipment capacity is the same as standard PROCESS console.
- For single worksurface option, the Rear Accessory Mounting Beam is attached to the back of the worksurface. Monitor support arms and accessories (such as tasklight, phone shelf) are attached to and may be positioned anywhere along the Rear Accessory Beam.

SAFETY ERGONOMICS

- Sufficient space has been allowed between passing objects such that pinch points do not exist.
- The range of travel is appropriate to accommodate 95% of the standard north American population (5th percentile female to 95th percentile male).
- The optional "memory button" switch allows end-users to program preferred sitting and standing positions.
- The SIT/STAND worksurface option provides for a suitable ADA working environment.



DUAL SIT STAND SECTION



SIT STAND SECTION

ClimatePlus Environmental Controls



ClimatePlus is a complete Personal Environment Control System for ultimate operator comfort and flexible user control over height adjustment, heating, airflow, lighting and white noise.

Standard Features

- Variable Heating & Cooling with adjustable louvers
- Cord connected controller for flexibility
- Integrated Worksurface leg lift control for sit-stand consoles
- Task light dimming
- Presets for up to 15 users
- Adjustable clock and calendar
- Automatic motion sensor puts system into sleep mode aft ten (10) minutes inactivity
- Adjustable clock and calendar
- Adjustable white noise generator
- Optional HEPA Filter
- Optional Integrated Telescopic and/or Height Adjustable Monitor Array Control



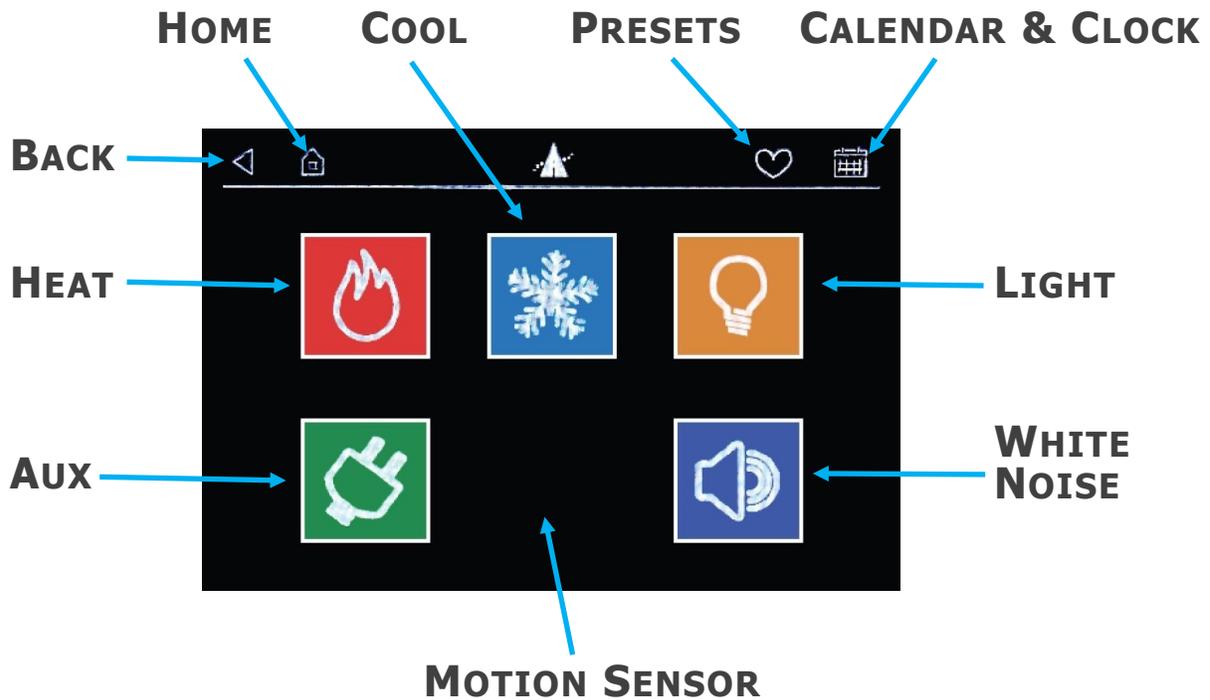
**Desktop Control Panel
with Touch Screen
Digital Display**

WHERE DESIGN MEETS TECHNOLOGY

ClimatePlus personal desk environment is a console management system that combines environmental heating and cooling, lighting control and lift functions inside a single unit. This desktop management system features a non-fixed controller, allowing users the flexibility to position the controller anywhere on their worksurface.



Easily Adjust your Environment with the touch screen Maximizing Comfort, Reducing Tension, Increasing Energy and Boost Focus.



One touch control buttons for worksurface height adjustment can be incorporated into the control panel. Telescopic and/or height adjustment is also available for consoles utilizing the Adaptaspace Slat Wall Monitor Array.

Specifications

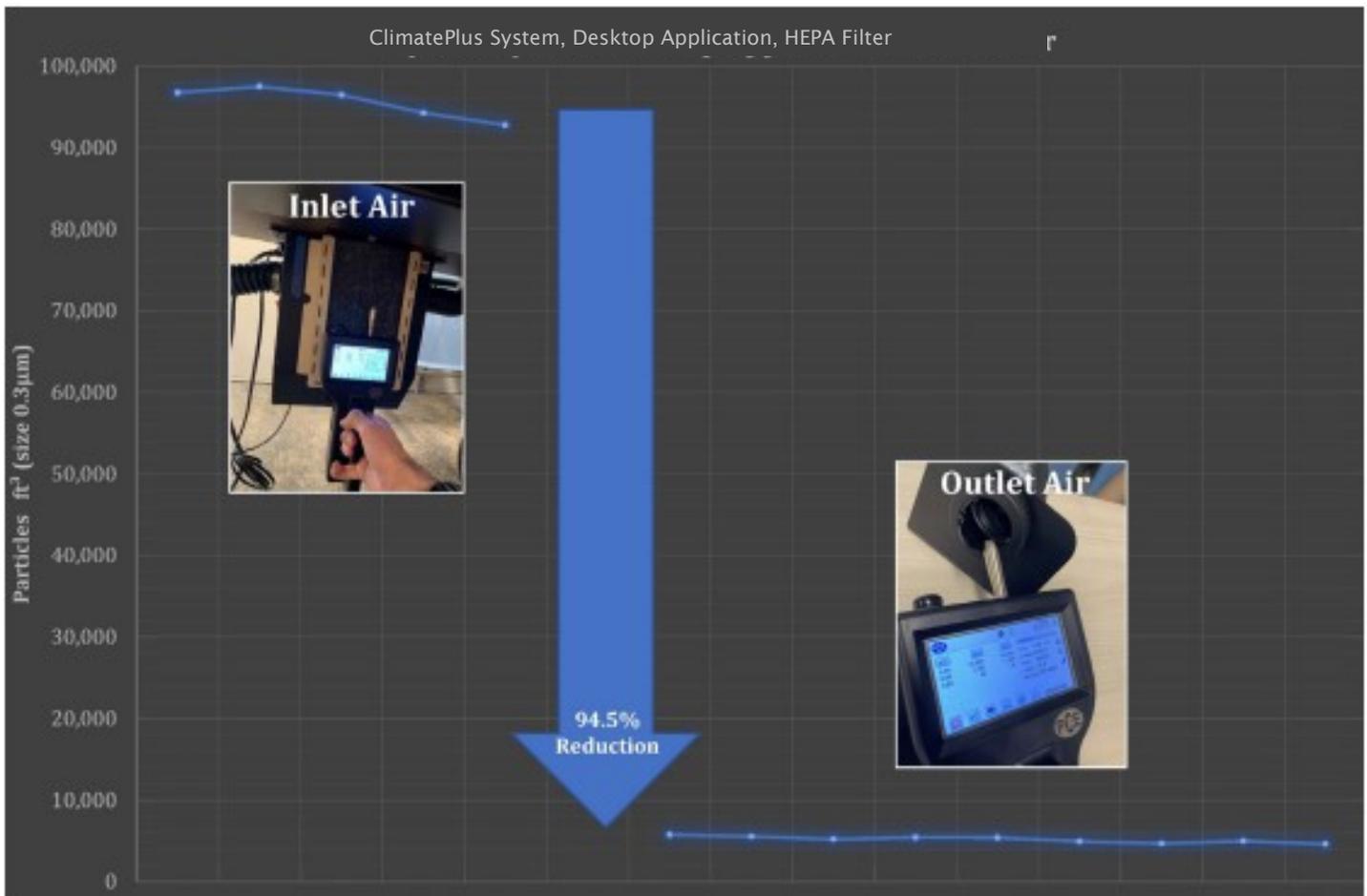
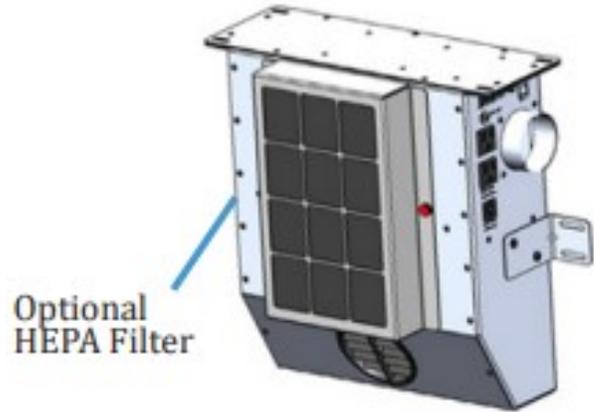
Cooling	Air Velocity Up to 1100 ft/min distributed through two (2) ducts and desktop louvers. Maximum four (4) ducts/louvers.
Heating	0-350W; up to 140°F (60°C) outlet temperature
Task light	Max 3A load, 2 outlets, on/off versatility for incandescent lights
Lifts	Up to 3 Linak lifts control references integrated into the control panel (Dual or Single Worksurface, Telescopic and/or Height Monitor Array)
Auxiliary Outlet	Dimmable 120 volt outlet may adjust through graphical interface
LED Light	Dimmable 24 VDC light used with power barrel connector PWG 2.10 ID, 5.5 mm OD
Commercial grade	Powder coated, lightweight aluminum
Controls	Touchscreen digital interface
Filtration	MERV 7 (standard); Optional 99.97 HEPA Filter
Motion sensor	10-minute turn off with no activity; returns to last setting upon activation
USB port on the user interface	5 VDC output, 5w charge power
White noise generator	Sound masking allows for speech privacy and sharper focus
Voltage/Frequency/Current	115V/60Hz/3.9A
User presets	Up to 15 users
Clock/Calendar	Standard digital clock/Display calendar



We care about the environment! The ClimatePlus system has the lowest power consumption in the industry. Half the power draw of all similar systems. The Integral Motion Sensor w/Auto-Sleep Mode provides additional power savings.

Optional HEPA Filter

ClimatePlus systems can be installed with an optional HEPA filter to provide better air quality and greater protection against infectious diseases. It directs high-quality pure air at the user. The HEPA filter was found to reduce particle counts by 94% in 5 minutes.



Console Finishes 2022



Standard Finishes and Laminate Options

Adaptaspace works together with multiple high pressure laminate manufacturer's including Wilsonart, Nevamar and Formica, as well as other suppliers. The options are endless when choosing console finishes and the task can be daunting. This document is a simple aid to help choose finishes.

Standard Finishes

- Black is the default laminate on the inside of all console and millwork cabinets, millwork kick-plates and underside of all worksurfaces unless specified otherwise.
- Nosing is available in either black or grey. Black is the default. Grey is available at no additional charge.
- Powder coated metal components are black as a standard.
- Optional powder coat colours are available.
- Accessory items such as monitor arms, task lights, power/data outlets, grommets, etc. are provided in black as standard, but are available in silver / grey

Console Features

Rear Mounting Beam



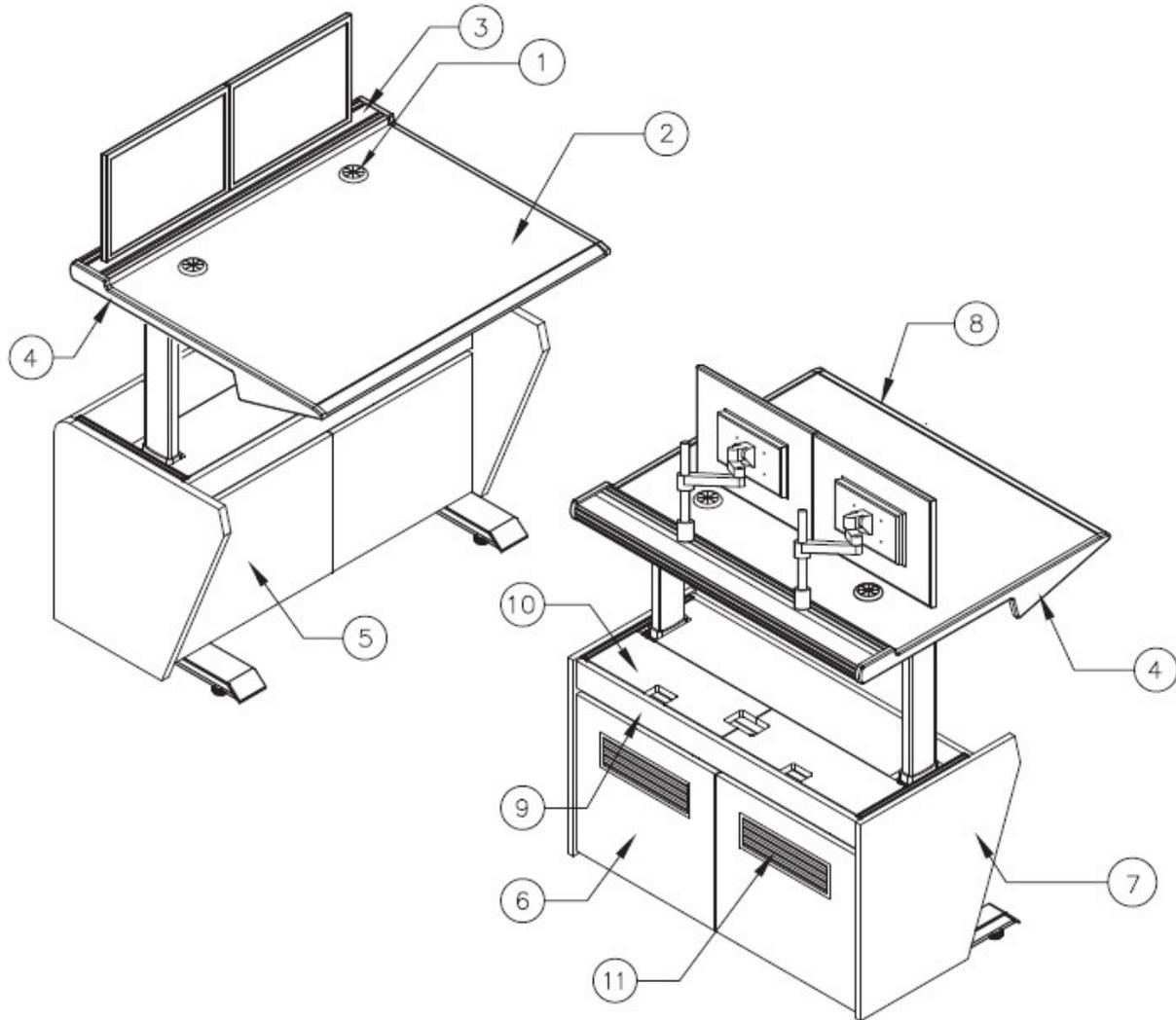
Black Nosing



Grey Nosing



Typical Console Finish Schedule



	Component	Material	Finish
1	Grommet	Plastic	Black
2	Worksurface	High Pressure Laminate (HPL)	
3	Rear Mounting Beam	Powder Coated Metal	Black
4	End Cap	Thermofoil 3D Laminate	Black
5	Hinged Front Panel	High Pressure Laminate (HPL)	
6	Hinged Rear Panel	High Pressure Laminate (HPL)	
7	End Panel	High Pressure Laminate (HPL)	
8	Nosing	Molded Rubber	Black
9	Rear Accent	Thermofoil 3D Laminate	Black
10	Cable Access Panel	Thermofoil 3D Laminate	Black
11	Vent Grill (Optional)	Powder Coated Metal	Black

Guidelines when choosing laminate

www.wilsonart.com

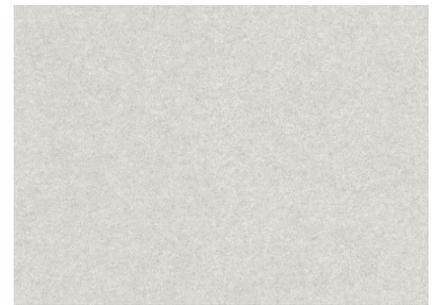
- **Patterns** for both horizontal and vertical surfaces are suggested. Solid colours show marks, dust and fingerprints easier.
- **Gloss** finishes are not recommended for a 24/7 environment.
- **Lighter colours** on the worksurfaces for both consoles and credenza's will help brighten the control room.
- Console and credenza worksurfaces usually match / or compliment one another to provide continuity within the room.
- Console and credenza Nosing / PVC Edging match / or compliment one another.
- The following laminate samples are popular choices to aid in the selection process, however there are hundreds of other selections available to choose from.
- Additional samples can be viewed on the laminate manufacturer website - www.wilsonart.com
- Premium Laminate (PL) —An additional cost may apply.



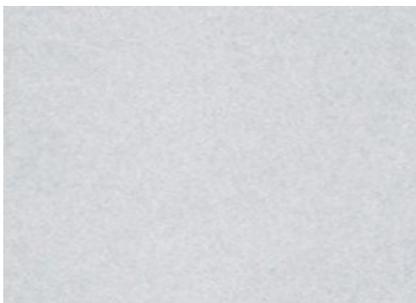
4877 Grey Mesh_Wilsonart



4878 Pewter Mesh_Wilsonart



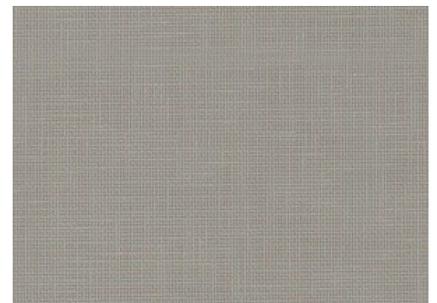
4857 Shadow Zephyr_Wilsonart



4856 Cloud Zephyr_Wilsonart



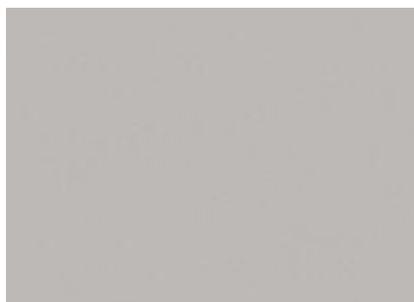
4845 Twilight Zephyr_Wilsonart



4943 Classic Linen_Wilsonart



4942 Crisp Linen_Wilsonart



D381 Fashion Grey_Wilsonart



5014 Battleship_Wilsonart (PL)

Premium Laminate (PL) —An additional cost may be applied.

www.wilsonart.com



4842 Canyon Zephyr_Wilsonart



4880 Carbon Mesh_Wilsonart



D90 North Sea_Wilsonart



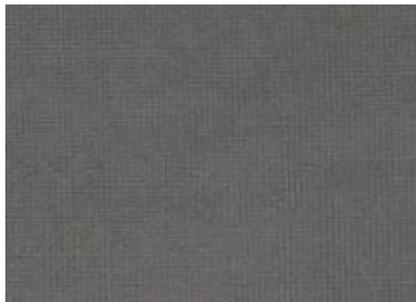
4623 Graphite Nebula_Wilsonart



D91 Slate Grey_Wilsonart



4843 Misted Zephyr_Wilsonart



4879 Steel Mesh_Wilsonart



7946 Brazilwood_Wilsonart



7969 Warehouse Oak_Wilsonart (PL)



7966 5th Ave Elm_Wilsonart (PL)



7967 Park Elm_Wilsonart (PL)



7995 Sterling Ash_Wilsonart

Laminate Combination Examples



Worksurface— 4845 Twilight Zephyr
Premium End Gable Black with Grey Accent Insert



Worksurface—4857 Shadow Zephyr
Standard End Gable/Doors - D91 Slate Grey



Worksurface— D381 Fashion Grey
Standard Sit-Stand End Gable - 7995 Sterling Ash



Worksurface—4856 Cloud Zephyr
Standard End Gable - 7946 Brazilwood



Worksurface: 4857 Shadow Zephyr with Grey Nosing
Premium End Gable Grey with Black Accent Insert
Grey Metal Powder Coat Finish (upcharge may apply)



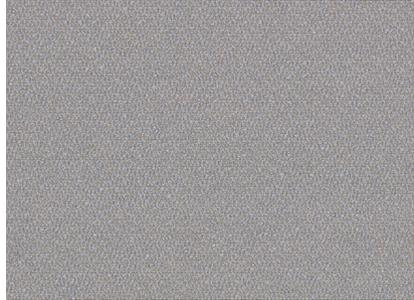
Premium End Gable with Standard Black finish and
Black Accent Insert .

Standard Fabric Options (if applicable)

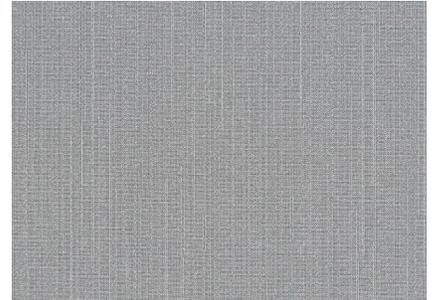
www.maharam.com



Tek-Wall Strake Nocturne_Maharam



Tek-Wall Twist Hazy_Maharam



Tek-Wall Slate Welded_Maharam



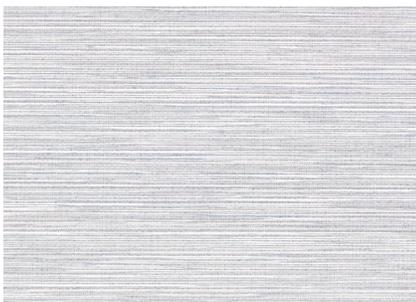
Tek-Wall Strake Statue_Maharam



Tek-Wall Twist Vault_Maharam



Tek-Wall Slate Downtown_Maharam



Tek-Wall Strake Turntable_Maharam



Tek-Wall Slate Treasure_Maharam



Tek-Wall Slate Roadside_Maharam



Tek-Wall Strake Memory_Maharam

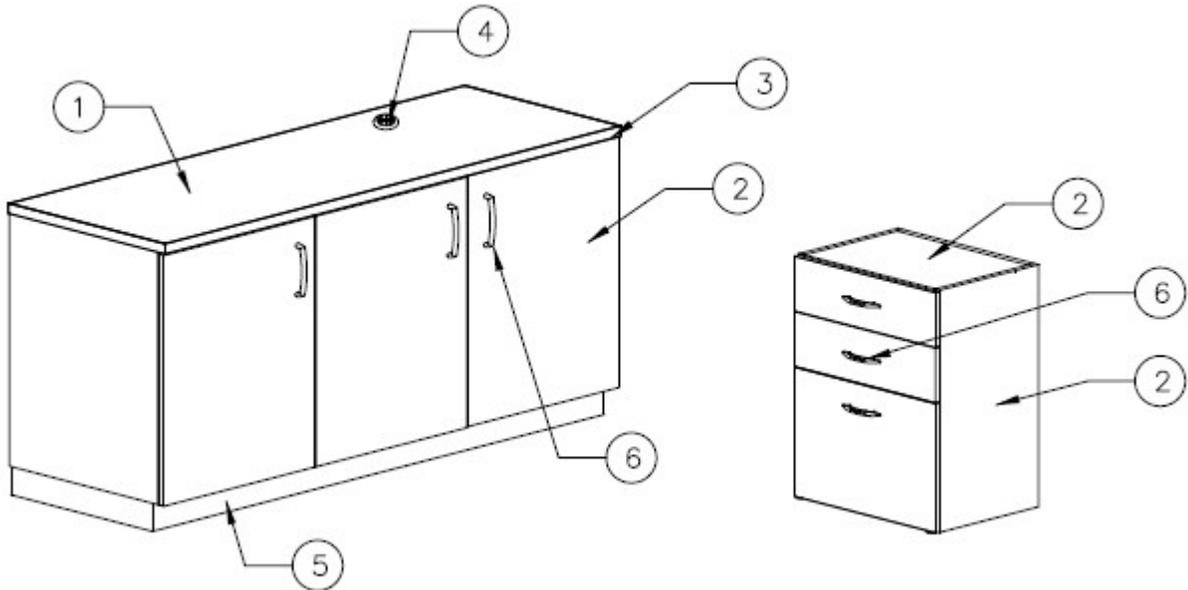


Tek-Wall Slate Candlewick_Maharam



Tek-Wall Slate Bobsleigh_Maharam

Typical Credenza/Millwork Finish Schedule



Credenza / Millwork Finishes

	Component	Material	Finish
1	Credenza Worksurface	High Pressure Laminate (HPL)	
2	Vertical/Other Surfaces	High Pressure Laminate (HPL)	
3	Credenza Worksurface Edging	PVC Edging	
4	Grommet	Plastic	Black
5	Base	High Pressure Laminate (HPL)	Black

Credenza / Millwork Handles—Select 1 (if required)

6	Hardware Style	Colour / Finish
	Contemporary Metal Pull: 871	
	Contemporary Metal Pull: 305	
	Contemporary Metal Pull: 56325	
	Contemporary Metal Pull: 2323	

* Reference page 7 of the Console Finishes Brochure

Credenza / Millwork Hardware

Contemporary Metal Pull - 871 (default)



Dimensions 167 mm (6.75") Length
21mm (0.56") Width
27mm (1") Depth

Colour/Finish Brushed Nickel
Chrome

Contemporary Metal Pull - 305



Dimensions 208 mm (8.19") Length
12mm (0.5") Diameter
35mm (1.38") Depth

Colour/Finish Matte Black
Brushed Nickel
Chrome

Contemporary Metal Pull - 458



Dimensions 165mm (6.5") Length
12mm (0.5") Width
22mm (0.87") Depth

Colour/Finish Brushed Nickel

Contemporary Metal Pull - 2323



Dimensions 168mm (6.63") Length
17mm (0.69") Width
36mm (1.44") Depth

Colour/Finish Brushed Nickel

Bill McAllister
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email: bmcallister@adaptaspace.com
phone: 858 790 4068

Bern Crocker
Regional Sales Manager USA North East
email: bcrocker@adaptaspace.com
phone: 410 349 2030

Eugene Armbruster
Regional Sales Manager USA South
email: earmbruster@adaptaspace.com
phone: 403 888 2855

David Pemberton
Regional Sales Manager Eastern Canada
email: dpemberton@adaptaspace.com
phone: 514 426 7246

Marie McGinty
**VP Business Development &
Regional Sales Manager Western Canada**
email: mmcginty@adaptaspace.com
phone: 587 392 4898

Corporate Headquarters
email: info@adaptaspace.com
phone: 403-203-2915 · fax: 403-203-0142

adaptaspace []

www.adaptaspace.com | 1-877-669-9942

WARRANTY

- **Lifetime warranty:** Adap^tspace warrants to the original Buyer that its brand products are free from defects in materials and workmanship for the period of time the original Buyer owns the product including all fixed structural frame components, exterior panels, interior shelves, work surfaces and all adjustable, sliding or hinge mechanisms.
- **Five (5) year warranty:** Operator chairs supplied by Adap^tspace and all electrical components incorporated by Adap^tspace into its brand products, shall be under warranty from defects in materials and workmanship for a period of five years.
- **Extended OEM warranty:** For other Original Equipment Manufacturer's (OEM) products supplied by Adap^tspace, or incorporated by Adap^tspace into its brand products, the warranty shall be that of the OEM or 60 months, whichever is greater, to the extent that such warranty is transferable.

Claims under this warranty will be valid only if Buyer notifies Adap^tspace in writing within a reasonable time of its discovery of the defect and prior to the expiration of the warranty for such product. After notification to Adap^tspace of any defect under this warranty, Adap^tspace will repair or replace, at its option, any products (or parts thereof) which are covered by this warranty and which are found to be defective. Labor to repair or replace any products or parts under warranty will be included for a period of 5 years. The warranty period for such repaired or replaced parts shall be the balance of the applicable warranty period. Adap^tspace shall be responsible for all shipping and handling costs of the replacement parts for a period of 5 years.

This warranty does not cover normal maintenance, wear and tear within the normal consumable life of a product, abuse, improper use, alterations, repairs, storage and installations which have not been performed by an authorized Adap^tspace representative, and products which have not been maintained or operated in accordance with Adap^tspace written instructions or problems caused by the use of parts and components not supplied by Adap^tspace. This warranty does not cover any damage to customer equipment that is caused by an AC power disturbance or any other causes unrelated to the quality and/or functionality of Adap^tspace products.

The foregoing warranty is exclusive and is in lieu of all other express and implied warranties whatsoever, including but not limited to implied warranties of merchantability and fitness for a particular purpose.

The remedy of repair or replacement provided for herein is Buyer's exclusive remedy in the event of breach of this warranty. In addition, Adap^tspace shall not be liable for any incidental, consequential or special damages or for any loss, damage or expense arising from the sale, use or installation of the products or from any other cause whatsoever, whether based on warranty (expressed or implied) or otherwise based on contract, or on tort, or regardless of any advice or representations that may have been rendered by Adap^tspace or its agents or representatives concerning the sale, use or installation of the products. Notwithstanding anything stated in the purchase agreement between Adap^tspace and Buyer, in no event shall Adap^tspace liability exceed the purchase price of the product purchased.

Emergency Communications Dispatch Console Furniture

Moberly Regional Joint Communications Center
Moberly, Missouri

Due Date:
February 17, 2023 @04:00 PM CST



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Cover Letter

February 17, 2023

Adam Swon
Moberly Police Department
300 N. Clark Street
Moberly, Missouri 65270

Mr. Swon,

Thank you for the opportunity to provide a proposal for your project. I am confident our proposed solution will best meet the specified requirements. This response comprehensively explains the solutions outlined in the proposal request, detailed technical information and competitive pricing. As part of this proposal, you will find our Primary Proposal for the Mercury Pro consoles, as well as an Alternative Proposal for our Mercury Standard consoles.

Watson is pleased to provide a Lifetime Warranty on all parts manufactured by Watson. Additionally, electronics and buy-out parts are covered for 10 years. This includes the lift system, environment controls and monitor arms. With our manufacturing facility based in Poulsbo, Washington, all replacement parts and inventory are located within the United States.

At Watson, your team is our priority. Leveraging our experience in the dispatch console market and a 36-year legacy unmatched by our peer organizations, a dedicated project team will work closely with the Moberly Regional Joint Communications Center team leaders, data, electrical, and technology vendors to ensure seamless execution of your project.

Watson Consoles has been manufacturing and installing emergency communications consoles since 1986 and have managed console furniture projects ranging from 2 positions to 160 positions. We understand this industry, the challenges this environment brings, and how console furniture can make a huge difference in the daily experience for each dispatcher. If you have any questions about the contents of this proposal, please give me a call.

Our team looks forward to working with you on your project!

Sincerely,



Kevin Goy
National Sales Manager
Email: kgoy@watsonfg.com
Office: 360.598.7480

Proposer Information

Company Name: Watson Furniture Group, dba Watson Consoles

Address: 26246 Twelve Trees Ln NW, Poulsbo, WA 98370

Primary Contact: Kevin Goy

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February 17, 2023

(Signature of Vendor & Date)

National Sales Manager

(Title)

Kevin P. Goy

(Print Full Name)

26246 Twelve Trees Ln NW

(Street/P.O.Box)

Poulsbo, WA 98370

(Town, State, Zip)

360-598-7480/ kgoy@watsonfg.com

(Phone # / Email Address)

**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Specifications Compliance



SECTION 3.0 - SPECIFICATIONS

Bidders are requested to indicate their understanding and compliance by entering YES or NO under each statement and providing any additional EXPLANATION as deemed necessary.

3.1 Overview

Public Safety/Emergency Communication Centers pose unique challenges and demands. Unlike an office environment, emergency communications personnel are required to manage multiple screens of information simultaneously, plus additional ancillary rack mount electronics. Additionally, emergency communications consoles are utilized 24 hours per day/ 7 days per week by many different employees, with many different physical sizes and needs. It must be recognized that this user environment will receive at least five times the use of typical office furniture each year. With this in mind, only console furniture that is specifically designed and engineered for Emergency Communication Centers will be acceptable. Office furniture systems will not be considered.

The following specifications detail the minimum requirements of the Console Furniture System. Bidders must provide a point-by-point technical response stating compliance or taking exception.

3.02 Console Modularity

The furniture must be provided from standard, previously manufactured items that have the capability of adding on to or re-configuring at a later date. Any add-on sections, such as bridges, peninsulas, and returns must be included.

Understood/Comply	Comply	Explanation:
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3.03 Ergonomics

A minimum of six (6) 24-inch flat panel displays at each console must be mounted to integrated monitor supports that are secured to the sit to stand section for optimal flexibility. Adjustments must be able to be accomplished from the seated position in order to meet ADA requirements. Monitor mounts must feature multiple points of rotation allowing multiple monitors to maintain a single focal length for viewer’s eyes with a range of motion. **Refer to the desired monitor layouts in Exhibit A.**

To reduce the incidence of repetitive stress injuries, the console furniture must provide height adjustable input platforms. The engineering of the console furniture must offer comfort, safety and adjustability for the operator. The console vendor shall include statement of compliance with ANSI/HFES 2007, and ADA guidelines and requirements.

Understood/Comply	Comply	Explanation:
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3.04 Structural Integrity

The console furniture shall be designed specifically for 24/7 operations in an Emergency Communication Center environment. The core serves as the primary structural foundation for the console system and must carry a minimum load rating of 1000-lbs. The console must be sturdy enough to mount all electronic accessories, including monitors, without compromising the integrity of the system. The structure should be free standing and not rely on walls for support.

Understood/Comply	Comply	Explanation:
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3.05 Technology

At a minimum each console must be designed to accommodate **five (5) CPUs**, the Electronics cavity storage provided for CPU equipment and cable routing must keep the knee space below the consoles unobstructed to allow dispatchers a full range of movement to reach necessary equipment. The Vendor will also provide 6' extension cables for the monitors, keyboards and mouse at each workstation for up to five (5) CPU's. Access to all sides of each CPU must be provided from the front of the console. Preference will be given to furniture with roll-out shelves to accommodate the workstation CPU's. Cavities must have fan air circulation. Cabling chases must be designed for ease of access and incorporation of additional runs to meet future needs.

CPU List & Sizes

CPU #	Use	Dimensions (Depth x Width x Height)
1	Radio	Mid Tower Cabinet - 12" D X 6" W x 13" H
2	911	Mid Tower Cabinet - 12" D X 6" W x 13" H
3	CAD	Mid Tower Cabinet - 12" D X 6" W x 13" H
4	Admin	Mid Tower Cabinet - 12" D X 6" W x 13" H
5	Spare	Spare

Understood/Comply	Comply	Explanation:
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3.06 Environmental Controls

The proposal shall describe all available environmental control options and list the costs associated with each, including, but not limited to adjustable task lighting, indirect lighting, heating, cooling, filtered airflow, sound masking system, and primary and input surface height adjustments. Environmental controls must all be readily accessible from a seated position and meet ADA requirements. User replaceable air filters should be provided for the entire standard warranty period.

Understood/Comply	Understood	Explanation: See Clarifications Worksheet
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3.07 Acoustical Console Walls

All equipment, material and articles requested under this specification are to be new or fabricated from new materials. The use of used, remanufactured, or rebuilt products is not allowed under this specification. Acoustical walls shall be constructed with a high density, fire resistant, sound absorbing subsurface. Edges of these partitions shall be durable and replaceable. All fasteners must be completely concealed. Leveling glides shall be an integral part of the system to accommodate uneven floors. The acoustical console walls may be part of the fixed furniture base or part of the adjustable work surface.

Understood/Comply	Comply	Explanation:
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3.08 Surfaces

All primary work surfaces, input platforms, and extension surfaces shall be constructed of durable materials that will withstand the 24-hour use environment of an Emergency Communication Center. Primary work surfaces and extensions shall include cable drop areas for access into the fixed electronics cavities. All edges must be treated in a replaceable high impact edging material.

a. **Monitor Surfaces & Monitor Mounting Structure**

The monitor mounting surface and structure should be height adjustable with smooth, quiet motorized control. The operator must be able to make all monitor and keyboard adjustments from either a standing or sitting position. At least one inch safety clearance between all moveable and fixed surface is required. A safety system should be in place to prevent accidental lowering of the unit when it is taken off-line for service. Proposers are encouraged to propose the ability for users to quickly adjust monitor and keyboard surfaces to personally present heights.

These surfaces must be non-porous, non-glare and of high pressure laminate or solid surface materials of standard color (meaning items readily available or no "special order" materials). Surfaces should be mark, stain and scuff resistance and easy to maintain and clean. All corners and edges will be rounded and properly finished in similar solid surface materials.

The surface and/or monitor mounting structure/array must be able to be pulled forward or pushed back for operator comfort. There is no preference for this capability to be motorized or non-motorized. The unit must be able to accommodate up to six (6) 24-inch monitors without obstructing the view. The monitor surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface and mounting structure must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weights of the surface and components. Additionally we encourage the proposer to address considerations of bracket rack mounted monitors, possible dual stacked, fixed mounted and/or articulating arms.

b. Keyboard Surface

The keyboard surface must rise to 46-inches and lower to approximately 24-inches to accommodate operation while sitting or standing. The monitor surface must be able to hold a minimum of 500 static pounds and lift 50 pounds minus the weight of the surface and components. The keyboard surface must accommodate two standard-size keyboard and one keypad for telephone functions and meet or exceed ANSI/HFES requirements.

Understood/Comply	Comply	Explanation:
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3.09 Pedestals and Accessories

Drawer hardware must be full extension, precision ball bearing construction with a minimum 100 lb. load rating per drawer. All file drawers must have built-in hanging file capability. All doors must include full articulation door hardware to accommodate uneven floors. The pedestals shall be finished on all sides for use outside the console, and be equipped with dual-wheel front-locking casters. Cushion seating should be available as options and should be rated for 300 lbs. At a minimum, the following options should be made available:

- Bookcases
- File Drawers
- Box Drawers
- Lateral File Drawers

3.10 Edge Material

Replaceable vinyl edging material shall be a minimum 2mm thick thermoplastic vinyl extrusion with self-healing properties against abrasion for all undercarriage, pedestals, and primary surfaces, and a minimum 13mm thick for all input platforms.

Understood/Comply	Comply	Explanation:
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3.11 Equipment Enclosures

Equipment enclosures must support the installation of the CPU's as described in Section 3.05. include EIA mounting rails front and rear. At a minimum, the following options should be made available:

- Interior task lighting to equipment cabinetry
- Access to CPUs/cabling from front and back
- Quiet blowing ventilation for electronics cooling

Understood/Comply	Comply	Explanation:
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3.12 Laminates

High pressure must meet ANSI/ASME A 17.1; 1986 requirements for Class "B" laminate, providing a non-glare matte finish. Thermally Fused Laminate must meet NEMA LI-1-1998. Low Pressure Laminate is not acceptable.

Understood/Comply	Comply	Explanation:
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3.13 Fabric

Abrasion resistance at a minimum shall meet ASTM D-3597 MVPTS-198 standards. The flammability requirements shall adhere to ASTM E-84 (Tunnel Test) or Class A or 1 and the State of California Technical Bulletin 117 Sec. E (SC-191-53).

Understood/Comply	Comply	Explanation:
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3.14 Sit to Stand Base and Input Platform

The following specifications shall apply to the Console Furniture base and keyboard platform. The Primary Surface and Input Platform may be a single surface, provided the monitor mounting structure/array be adjustable to be pulled forward or pushed back for operator comfort.

a. Primary Surface

Components shall be UL listed. The motor/gear drive system must have a 700 lb. gross weight-lifting capacity, including the surface, input platform, and input platform mechanism. Design must accept uneven load distribution. Range of travel will need to accommodate a low of 24-inches to a high of 46-inches, infinitely adjustable within the 22-inch range.

b. Input Platform

The Input Platform shall be designed to provide un-obstructed knee clearance in the seated operating position in accordance with ANSI standards. Platform must be tested to 250 lbs.

c. Unified Frame

Sit-to-stand base must be designed with a footprint to allow maximum stability based on the overall size of the Flat Screen primary surface. The entire console must be tied together so that there will be no movement of the primary surface away from the remainder of the console. It must meet ANSI/HFS standards and ADA requirements for foot and leg clearance. There must not be any obstructions for side-to-side movement within the footprint of the console. Leveling glides shall be an integral part of the system to accommodate uneven floors.

d. Adjustments

All adjustments for the sit-to-stand base and input platform shall be attained from the front of the input platform or the front of the primary surface and shall be able to be adjusted from either the seated or standing position with the use of one hand to meet ADA requirements.

Understood/Comply	Comply	Explanation:
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3.15 Electrical and Cable/Wire Management

Every console must include an electrical system to be connected to the building's electrical and grounding systems with a **minimum of 24 AC outlets** configured to accommodate power transformer plugs.

Each console must include options for user-accessible voice and data connections. All data and voice paths must be completely segregated from the power management systems. Each console shall have a **minimum of 6 data/voice outlet boxes**.

As an integral part of the cable management, the Vendor shall include a minimum **twenty-four (24) port patch panel** that will allow for the connection of up to twelve (12) ethernet cables from the 911/radio IT room to the electronic components installed into the furniture.

A cable management system must be provided that allows for independent movement among the monitor and keyboard surfaces. The system must minimize the wear and tear on the traveling cables by keeping them separated as well as enclosed. No operator intervention is to be required. The proposer is to provide all cable management within, under and on the console.

Cavity illumination should be offered as an option.

Understood/Comply	Comply	Explanation:
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3.16 Task Lighting

Ambient light levels will be very dim and task lighting incorporated in the consoles will be the primary source of lighting for dispatchers and call takers. Lighting solutions must provide 100% of the required light at each workstation and provide user controlled, infinite dimming variability. Please specify the lighting you will supply. Provide its expected life and rated lumen output. Also list and price any other lighting options you have available under a "Lighting Options" section.

Understood/Comply	Comply	Explanation:
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3.17 Headsets/Speakers

Each console must support dual headset jacks for both radio and telephone. Describe how your console will accommodate that. Also, small cube speakers with individual power supplies for selected and unselected radio traffic needs to be accommodated on the console surface. Describe how this would be accomplished.

Understood/Comply	Comply	Explanation:
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3.18 Storage Cabinets

Each console will be equipped with additional drawer units for storage of personal items and work items at the various positions. The cabinet would be able to be housed under the keyboard and monitor surfaces while they are in the fullest downward position, or to the side. The drawers should match the color and design of the console. Describe your offering.

Understood/Comply	Comply	Explanation:
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3.19 Resource Storage

Describe the option to provide an easily accessible cabinet to store resource materials. These could be books of procedures or maps of campus areas. Multiple consoles would share these resources, depending upon room layout.

Understood/Comply	Comply	Explanation:
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3.20 Accessories

Vendor shall offer a full complement of accessories to be available including:

- Environmental controls
- Cooling Capability (per workstation)
- Heating Capability (per workstation)
- Task Lighting (per workstation)
- Interior PC Cavity Lighting (per workstation)
- Foot Rests (per workstation)
- Wrist Rests (per workstation)
- Call Status Indicator Light
- Workstation Accent Lighting (side panels and under work surface)
- Shared Storage Solutions

Understood/Comply	Understood	Explanation: See Clarifications Worksheet
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3.21 Design Considerations

Each Vendor must submit a floor plan to scale, showing each item being proposed. In addition, perspective drawings will be required in the submittal with dimensions of height, width, and depth in order to determine compliance with the specifications. All accessories being proposed must be shown in these drawings. Customer provided electronics such as flat Screens, telephones, CPUs, and rack mount panels must be shown, to scale, in the 3-dimensional/perspective drawings. Labeled cut away or exploded illustrations of acoustical walls, primary surface, and sit to stand base should be included.

Colors are to be selected from manufacturer’s standards. At a minimum one full set of laminate, edge, and fabric samples must be submitted with the proposal. It will be necessary to provide color Owners and/or color renderings at the pre-construction conference to make a final decision.

Understood/Comply	Comply	Explanation:
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3.22 Pre-Installation Conference

Upon award of contract to a successful bidder and prior to installation, a pre-installation conference will be held. The conference shall be attended by the manufacturer’s representative, Owner’s representation and Consultant.

Understood/Comply	Comply	Explanation:
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3.23 Vendor Experience/References

The “Console Furniture” to be supplied shall have a proven record of use within the harsh 24-hour operating environment of public safety dispatch centers, specifically of similar size to this request. A list of no less than five (5) sites installed of like size must be included with the proposal, complete with contact name, address, phone, email, date of installation and size of installation. If bidder is not the manufacturer of all major components, such as surfaces, console walls, environmental controls, and lift systems, then the bidder must specify which manufacturer is being used and include their reference information and past experience to determine qualified status.

Understood/Comply	Comply	Explanation:
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3.24 Warranty/Service Response

The console furniture must be warranted to be free from defects in material and workmanship for five (5) years based on 24/7 usages with a lifetime warranty on the frame. This must be an all-inclusive warranty and will need to cover 100% of the console furniture for the entire 5-year period. Warranty must include all product, freight, and installation.

Bidders must supply a copy of their minimum all-inclusive 5-year warranty with the name, contact, and phone number of the service organization providing the service response, signed by an authorized representative of the Company.

All service and warranty work must be initiated within a minimum of 48 hours after notification. Describe who would be performing the service work, their location and their connection to your company.

Understood/Comply	Comply	Explanation:
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3.25 Lead Time & Installation

Lead-time could be a critical factor. Bidders must present their best lead-time to design, manufacture, ship, and install the console workstation system.

Shipping must be direct to the facility, inside delivery, unless otherwise noted.

Trained professionals experienced with the working environment of a public safety communication center must perform the installation. Only the manufacturer's factory installers or their trained and authorized designees shall assemble and install the workstations. The installation team is responsible for the removal of all new furniture packing materials.

Once the installation is complete, a "walk-through" will be required with the installation Foreman in order to ascertain full compliance to the floor plan, console design, and materials specified. Any inconsistencies will be noted and must be scheduled for completion prior to sign off of the project.

Each proposer is to include training on the use of the new consoles during installation.

Understood/Comply	Comply	Explanation:
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Emergency Communications Dispatch Console Furniture

Clarifications Worksheet

3.06 Environmental Controls

The proposal shall describe all available environmental control options and list the costs associated with each, including, but not limited to adjustable task lighting, indirect lighting, heating, cooling, filtered airflow, sound masking system, and primary and input surface height adjustments. Environmental controls must all be readily accessible from a seated position and meet ADA requirements. User replaceable air filters should be provided for the entire standard warranty period.

Understood/Comply | **Understood**

Explanation: Watson Consoles complies with all aspects of this requirement with the exception of the sound masking. We have found that personal sound masking systems are not efficient in this environment and have chosen not to add them to our offering.

3.20 Accessories

Vendor shall offer a full complement of accessories to be available including:

- Environmental controls
- Cooling Capability (per workstation)
- Heating Capability (per workstation)
- Task Lighting (per workstation)
- Interior PC Cavity Lighting (per workstation)
- Foot Rests (per workstation)
- Wrist Rests (per workstation)
- Call Status Indicator Light
- Workstation Accent Lighting (side panels and under work surface)
- Shared Storage Solutions

Understood/Comply | **Understood**

Explanation: Watson Consoles does not offer Wrist Rests as a standard product offering.

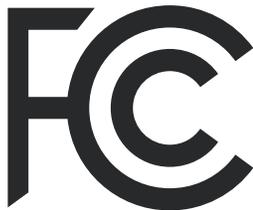
Certifications



- UL Listed to the UL 962 Standard
- A safety standard verifying products meet electrical, flammability, and personal injury safety requirements
- Within the industry, Watson Consoles is the only company with this certification



- The industry standard for durability testing
- We test to not just meet expectations but to exceed standards
- Combined with our industry expertise, we test to ensure our products meet the demands of 24/7 environments



- Independent Electrical interference testing
- Ensures Watson Consoles electronics will not interfere with mission critical electronics



- Indoor Advantage™ Gold certified, conforming to the ANSI/BIFMA Furniture Emissions Standard
- Certifies furniture and building materials have low VOC emissions (volatile organic compounds are gases emitted from certain solids or liquids which can have short and long-term adverse health effects)

**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Technical Specifications

Mercury Pro Console



RECOMMENDED SPECIFICATIONS FOR MERCURY PRO CONSOLES

Public Safety/911 Emergency Communication Centers have unique challenges and demands; conventional office furniture does not provide an acceptable level of function, technology integration, user ergonomics features, nor durability. Watson recognizes that furniture should meet minimum requirements to support key performance requirements:

- Consoles are utilized 24 hours per day/ 7 days per week by different employees with different physical sizes and needs; this is more than five times the average use and wear of conventional office furniture annually.
- Consoles must house and power extensive technology support including multiple monitors - in-line, stacked and/or combined with large-format screens models.
- Console furniture must provide additional storage for ancillary rack mount electronics.
- Consoles must provide no less than 10 years of 24/7 use which is required for the expected 80,000 hours of use over the course of a console’s lifetime.

Conventional office furniture systems should not be considered for emergency communications center applications. The following categories have been identified for critical compliance and are met by Dispatch Console furniture manufacturers and providers.

Stability – Function	Main Body Electrical Requirements	Monitor Viewing Support
Support Adjustments	Partitions and Screens	Technology Equipment Enclosures
Personal Base Storage	Personal Stacking Storage	Stacking Pallets
Cable Management Rail	Materials	General Electrical Requirements
Wire and Cable Management	Environmental Control System	Supplemental Task Lighting
Documented Product Certifications		

Watson Mercury Pro Consoles are designed and manufactured to meet the following industry standard, and third party tested, guidelines for safety, strength, durability, and a healthy workplace:

- UL 962 Listed as a complete furniture assembly.
 - CSA (Canadian Standards Association) C22.2#68.
 - SCS Global Services Indoor Air Advantage Gold SCS-EC10.3-2014 v3.0 certified for protecting indoor air quality by minimizing volatile organic compound chemical off gassing through design engineering and materials selection.
 - CARB (California Air Resources Board) compliant for reduction of formaldehyde emissions, identified as an airborne toxin.
 - FCC eCFR Title 47, Part 15 Radio Frequency Devices, Subpart B: Unintentional Radiators.
 - ICES (Interface Causing Equipment Standard) -003: Informational Technology Equipment.
 - Textiles compliance with CA TB 117 (California Technical Bulletin) Flammability Standard
- Watson’s Mercury Pro consoles meet the following functional specification requirements.

1. Stability – Function

- 1.1. The console furniture is designed specifically for 24/7 operations in an emergency communications center environment.
- 1.2. The console furniture is modular in design so as to be easily reconfigured and upgraded.
- 1.3. Technology storage and personal storage units stand free from the main console body so they can be field removed or replaced without deconstruction on the console unit.

- 1.4. Sit-to-stand legs are bolted into the console undercarriage and to the underside of the input support surface creating maximum proportional stability as opposed to free-standing leg and feet systems.
- 1.5. There are no obstructions side-to-side obstructions within the console footprint that will inhibit movement by the user, a critical component to provide on-going training of users and technology. Knee space spans a minimum of 70% of the console's overall width.
- 1.6. Horizontal work surfaces are supported by a formed steel sub-frame for maximum durability.
- 1.7. Horizontal work surfaces are strong and rigid and able to meet all required standards for furniture construction as outlined by ANSI/BIFMA X5.5-2008, Desk Products.

2. Input support surface

- 2.1. The input support surface lowers to 24.5" from the floor.
- 2.2. The input support surface raises to 50" above the floor to accommodate the 99th percentile standing male per ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.2.4.3.
- 2.3. The height-adjustability is engineered to provide infinite adjustment throughout the entire adjustment range, a critical function to meet ergonomic standards and reduce repetitive strain injuries and carpal tunnel syndrome.
- 2.4. The input support surface is a level platform that is wide enough to accommodate multiple input including keyboards, mice, and writing surface; the input platform surface area is a minimum of 1300 sq inches.
- 2.5. The input support surface will accommodate input devices within a primary and a secondary work zone and to meet ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.4.1 standards.
- 2.6. The input support surface allows the user to maintain elbow angles between 70 and 135 degrees to meet ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.1.1 standards.
- 2.7. The electronic adjustment is independent of the monitor support.
- 2.8. The electronic adjustment is controlled through a digital read-out to ensure precise user-preferred replication.
- 2.9. The electronic adjustment controls are mounted in a location that meets ADA standards for accessibility.
- 2.10. Adjustment controls have an option for a Wellness function to track standing usage and encourage users to use the adjustment controls to change posture throughout their shift.
- 2.11. The input support surface adjusts simultaneously with the monitor support in order to retain relative positioning between both surfaces when changing from sitting to standing. This promotes ergonomic alignment and a timely and controlled shift from sitting to standing work postures.

- 2.12. The input support surface allows adjustment of the line-of-sight viewing distance between the eyes and front surface of the viewable display area within the range of 19.7" and 39.4" to meet ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.4.2. The entire surface and all environmental controls move with the input surface to maintain preferred and ergonomic settings.
- 2.13. The input support surface is a static load capacity of 1200 lbs. and an equipment load capacity of 500 lbs to accommodate multiple models and quantities of various input devices.
- 2.14. Lifting columns for the input surface are integrated into the storage cavities for increased stability.
- 2.15. The input support surface legs have integrated anti-collision software to promote user safety, detect obstacles and prevent damage to console or equipment.
- 2.16. The Mercury Pro console has a minimum safety clearance of 1.25" between all moving surfaces, compliant with ANSI-HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.1.2.
- 2.17. There are no entrapment zones, as defined by UL 962.
- 2.18. The input surface is a welded steel sub-frame for increased structural integrity.
- 2.19. The position of the input support surface relative to the lifting legs and ancillary enclosures is positioned to provide unobstructed knee clearance for users in the seated operating position and in accordance with ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.2.1.
- 2.20. The input support surface is controlled using 24 VDC motors. All powered components are UL 962 listed and are CSA (Canadian Standards Association) certified.
- 2.21. The Mercury Pro console worksurface utilizes a dual brake for stability and prevention of binding. Braking system locks the surface into place when the brake is released.
- 2.22. There are surface-mounted, user-configurable, user-accessible voice and data connections (RJ12, RJ45 USB, 3.5mm Audio) available and accessible from the front of the console.
- 2.23. All moveable components of the console's input support surface and lifting mechanisms are designed and tested to at least 40,000 cycle full range adjustments.

3. Monitor Viewing Support

- 3.1. The console design includes adjustment of monitors so that the gaze angle to the center of the screen ranges between 15° and 20° below horizontal eye level per ANSI-HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.4.3.
- 3.2. The console design accommodates use of up to (5) 21" widescreen LCD flat panel monitors on a single tier, and up to (10) 21" widescreen LCD flat panel monitors in a stacked configuration and provide independent angle adjustment for each.
- 3.3. The monitor mounting array allows for concurrent focal depth movement of at least four monitors at once.

- 3.4. Monitor viewing support controls are mounted in a location that meets ADA standards for accessibility.
- 3.5. Monitor viewing support are controlled using 24 VDC motors. All powered components are UL 962 listed and are CSA certified.
- 3.6. Monitor viewing support are independently adjustable.
- 3.7. All moveable components of the console's monitor viewing support system are designed and tested to at least 40,000 cycle full range adjustments.

4. **Support Adjustments**

- 4.1. All mechanical and powered support adjustment mechanisms operate at a speed approximately 1" per second.
- 4.2. Input surface support adjustment mechanisms are controlled through a digital read-out to ensure precise replication for individual users who share a single console workstation.
- 4.3. All mechanical and powered support adjustment controls are mounted in a location that meets ADA standards for accessibility.
- 4.4. All mechanical and powered support adjustment mechanisms including "lifting systems" operate quietly with a maximum sound level of 50db.

5. **Partition Screens**

- 5.1. Partition and screen frame components are constructed of 14 gauge cold rolled steel for maximum strength and durability.
- 5.2. All steel frame components are bolted together in a minimum of four places to ensure maximum strength and durability.
- 5.3. All steel components are powder coated for lasting durability.
- 5.4. All external-facing screen components are available in abrasion resistant fabric covering.
- 5.5. Internal screen components, including tackable core surfaces, are fabricated with materials that contain a minimum of 85% recycled content.
- 5.6. The partitions and screens are integrated into the main body of the furniture.
- 5.7. The screen/partition system sits within the console body's footprint so as to not reduce available open floorspace.
- 5.8. All screen and partition fasteners are completely concealed.
- 5.9. All screen and partition components are field replaceable.
- 5.10. All side and back facing screen and partitions are available in 36", 42", 48", 54" and 60" heights.
- 5.11. All screen and partitions are available with a shatter-proof 12" acrylic upper section to help maintain sight lines.

6. Equipment Enclosures - Console Technology Storage

- 6.1. Console technology storage enclosures are accessible from both the front and the rear.
- 6.2. Console technology storage enclosures do not attach directly to the primary work surface.
- 6.3. Console technology storage enclosures are available in 24" and 30" heights.
- 6.4. Console technology storage enclosures are available in 30", 42" and 50" widths.
- 6.5. Console technology storage enclosures are available in a 24" depth.
- 6.6. Enclosures are engineered to support stacking storage components atop the units to allow for additional technology storage or personal storage without taking up added floor space.
- 6.7. Console technology storage enclosure rear access doors offer cooling by a minimum of 2 each 50 CFM axial cooling fans.
- 6.8. Console technology storage enclosure front access doors utilize a vented plenum system to draw cool air into the enclosure.
- 6.9. All console technology storage enclosure has an active cooling system to ensure that cabinets are kept at the optimum temperature for peak technology performance.
- 6.10. Console technology storage enclosures have horizontal cable management systems.

7. Cable Management Rail

- 7.1. Mercury consoles have a horizontal cable management rail for running cabling from one side of the console to the other.
- 7.2. The wood cable management rails are constructed of 42 lb. density particle board panel with THERMALLY FUSED MELAMINE (THERMALLY FUSED LAMINATE) on both sides.
- 7.3. All steel components within the wood cable management rail are powder coated for durability.
- 7.4. Internal cable management channel can house a minimum of 40 each Cat-6 cables and one each 1" flexible conduit.
- 7.5. Internal cable management channels contain fastening points to prevent unintentional movement and disconnection of cabling during active service.
- 7.6. The wood cable management rail has a locking option to prevent unauthorized personnel access to internal cabling.
- 7.7. The wood cable management rails are available in both single access and dual access configurations to allow maximum flexibility and future reconfiguration.

8. Enclosures - Personal Base Storage

- 8.1. Personal base storage enclosures are available in 24" and 30" heights.
- 8.2. Personal base storage enclosures are available in 30", 42" and 50" widths.

- 8.3. Personal base storage enclosures have optional filing storage sized at 20" wide.
- 8.4. Personal base storage enclosures are available in a 24" depth.
- 8.5. Personal base storage enclosures are available in single and dual sided configurations.
- 8.6. Personal base storage enclosures are available in combinations including open-drawer-door, open bookcase, and closed-door configurations.
- 8.7. Enclosures are engineered to support stacking storage components atop the units to allow for additional personal storage without taking up added floor space.

9. Enclosures - Personal Stacking Storage

- 9.1. Personal stacking storage enclosures are available in 18", 24" and 30" to correspond with the heights of the partition screens.
- 9.2. Personal stacking storage enclosures are available in 20", 30", 42" and 50" widths.
- 9.3. Personal stacking storage enclosures are available in a 24" depth.
- 9.4. Personal stacking storage enclosures are available in single and dual sided configurations.
- 9.5. Personal stacking storage enclosures are available in combinations including open-drawer-door, open bookcase, and closed-door configurations.

10. Enclosures - Stacking Pallets

- 10.1. Stacking pallet enclosures are available in an 8" height.
- 10.2. Stacking pallet enclosures are available in 20", 30", 42" and 50" widths.
- 10.3. Stacking pallet enclosures are available in a 24" depth.
- 10.4. Stacking pallet enclosures are cable ready to allow the placement of electrical components.
- 10.5. Stacking pallet enclosures include at least one grommet pass through and at least one monitor support mounting location.

11. Materials

11.1. Storage Enclosures

- 11.1.1. Wood parts are constructed of 42 lb. density particle board with THERMALLY FUSED MELAMINE (THERMALLY FUSED LAMINATE) on both sides.
- 11.1.2. Steel parts are manufactured from 14 gauge cold rolled steel for maximum strength and durability.

11.2. Surfaces

- 11.2.1. All monitor and input surfaces are 42 lb. density, 3/4" thick wood core material, pressure bonded with a high-pressure horizontal grade laminate top and sealing horizontal grade backing sheet of laminate on the underside to prevent deflection.

11.3. Edge Material

- 11.3.1. All storage enclosures, including fixed or mobile pedestals, have edges finished with 1.5mm thick thermoplastic polypropylene extrusion with self-healing properties for maximum durability.
- 11.3.2. All input support surfaces use a 3mm thick thermoplastic polypropylene extrusion edging with self-healing properties for maximum durability.
- 11.3.3. All input surface edging has a minimum 3mm radius on front edge so as to comply with ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.1.4.

11.4. Laminates

- 11.4.1. High pressure laminate meets ANSI/ASME A 17.1; 1986 requirements for Class "B" laminate and ASTM D523-89, providing a non-glare matte finish.
- 11.4.2. All monitor and input surfaces are .0625" thickness horizontal grade laminate on the top surface and on the backing sheet, to prevent deflection.
- 11.4.3. Thermally fused laminate meets NEMA LI-1-1998; low pressure laminate is not acceptable.

11.5. Textiles/Fabric

- 11.5.1. All textiles are abrasion resistant to meet ASTM D-3597 MVPTS-198 standard.
- 11.5.2. All textiles meet flammability requirements in accordance with ASTM E-84 (Tunnel Test) Class A, or 1, and the State of California Technical Bulletin 117 Sec. E (SC-191-53) standards.
- 11.5.3. All textiles are made from 100% recyclable materials.

11.6. Powdercoat

- 11.6.1. Powdercoat meets ASTM D3359-09 adhesion standard for durability.
- 11.6.2. Powdercoat meets PCI #8 Solvent Cure Test for durability.

12. Electrical Requirements

- 12.1. Every console has (2) Power Distribution Units (PDU) that may be specified by the customer as 15A, 20A plug or 20A Locking. Each PDU Unit provides (13) NEMA 5-15R outlets and a NEMA 5-15P input. PDU units include a 15-foot cord. PDU are UL listed and CSA rated.
- 12.2. The total power draw for an individual console does not exceed 13.3 amps; this includes the console lifting system and all environmental controls.
- 12.3. The console complies with UL standard 962 ensuring the highest standard of electrical and physical safety.
- 12.4. The console is rated to comply with FCC Title 47 Part 15 subpart B/ICES-003 for Radiated and Conducted emissions.

13. Wire and Cable Management

- 13.1. The console includes two cable access drops with energy chains for vertical cable management from the input support surface to the equipment enclosures so as to comply with UL 962 standards.
- 13.2. The console includes energy chains for horizontal cable management between the moving surface and adjacent fixed surface to preserve optimal and secure operation of cords and cables during the console's active use.
- 13.3. A quick connect user-accessible interface with accommodations for up to 10 configurable ports is available and includes ports, jacks and cables for: USB-A, RJ45, RJ11/12, and 3.5mm stereo audio connection kits; the quick connect interface also provides cable management for the equipment it serves.
- 13.4. The console infrastructure supports cable management from the user's position to the CPUs inside the console.
- 13.5. The console has a horizontal cable raceway for unencumbered and easily serviceable runs.
- 13.6. The console has a horizontal cable raceway that is easily accessible and allows drop-in cable runs to accommodate easy technology updates and service access.

14. Environmental Control System

14.1. Control Panel

- 14.1.1. The control panel for all environmental settings (task lighting, heating controls, and air distribution) is integrated with the console body.
- 14.1.2. The control panel is easy to clean and sanitize.
- 14.1.3. The height for the input support surface is shown on a digital read-out to ensure total replication of console positioning for all employees; the digital readout for the input support surface displays inches from the floor.

14.2. ADA Compliance

- 14.2.1. There is an optional electronic adjustment control located within reach of a wheelchair to meet ADA requirements.

14.3. Air Distribution

- 14.3.1. Fans are incorporated into the furniture design, providing maximum individualized control within the user's primary work zone.
- 14.3.2. The console is user-adjustable fans for circulating filtered air with a minimum of two distinct speeds.

14.4. Lighting Levels

- 14.4.1. The console has an integrated 12VDC LED lighting solutions.
- 14.4.2. The console has integrated ambient lighting.

14.4.3. The console has a flexible gooseneck style task lighting to allow proper placement of light over work area.

14.4.4. All integrated lighting on the console is mechanically fastened to the console to prevent removal; lights are removable for maintenance.

14.5. Personal Heating

14.5.1. System provides one ceramic forced heating source that is rated 400 watts and located under the input support surface. Rated for 400 watts total.

14.6. Power Requirements

14.6.1. The console operates with 120 VAC, 60Hz.

14.6.2. The console has a 15 ft. power cord with 3-prong plug.

14.6.3. The console draws a minimum of 0.3 amperes and a maximum of 13.3 amperes.

15. On/Off Task Lighting-Freestanding Supplemental Task lighting

15.1. The console accommodates a 3-point articulating arm that swivels 120-degrees and provides a 180-degree tilt for additional light control.

15.2. The console accommodates additional task lighting that can be mounted to the input support surface using a grommet mount, or directly to the monitor support rail.

15.3. All task lighting on the console provides approximately 50,000 hours of lamp life.

15.4. The task lighting color temperature does not exceed 3,800K.

15.5. The task lighting has a 3-lever dimmer to adjust illumination as needed to reduce eye strain.

15.6. Ancillary task lighting is available in three colors - silver, white, and black.

16. Mercury Pro Console Product Certifications

16.1. ANSI/BIFMA X5.5-2008, Desk Products

16.2. ANSI/BIFMA Furniture Emissions Standard M7.1 and e-3-2014e

16.3. UL 962

16.4. CSA C22.2#68

16.5. FCC e-CFR Title 47: Telecommunication, Part 15 – Radio Frequency Devices, Subpart B: Unintentional Radiators

16.6. ICES-003: Information Technology Equipment

16.7. SCS Global Services Indoor Air Advantage Gold SCS-EC10.3-2014 v3.0

**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Technical Specifications

Mercury Standard Console



SPECIFICATIONS FOR WATSON MERCURY STANDARD CONSOLES

Public Safety/911 Emergency Communication Centers have unique challenges and demands; conventional office furniture does not provide an acceptable level of function, technology integration, user ergonomics features, nor durability. Watson recognizes that furniture should meet minimum requirements to support key performance requirements:

- Consoles are utilized 24 hours per day/ 7 days per week by different employees with different physical sizes and needs; this is more than five times the average use and wear of conventional office furniture annually.
- Consoles must house and power extensive technology support including multiple monitors - in-line, stacked and/or combined with large-format screens models.
- Console furniture must provide additional storage for ancillary rack mount electronics.
- Consoles must provide no less than 10 years of 24/7 use which is required for the expected 80,000 hours of use over the course of a console’s lifetime.

Conventional office furniture systems should not be considered for emergency communications center applications. The following categories have been identified for critical compliance and are met by Dispatch Console furniture manufacturers and providers.

Stability – Function	Main Body Electrical Requirements	Monitor Viewing Support
Support Adjustments	Partitions and Screens	Technology Equipment Enclosures
Personal Base Storage	Personal Stacking Storage	Stacking Pallets
Cable Management Rail	Materials	General Electrical Requirements
Wire and Cable Management	Environmental Control System	Supplemental Task Lighting
Documented Product Certifications		

Watson Mercury Standard Consoles are designed and manufactured to meet the following industry standard, and third party tested, guidelines for safety, strength, durability, and a healthy workplace:

- SCS Global Services Indoor Air Advantage Gold SCS-EC10.3-2014 v3.0 certified for protecting indoor air quality by minimizing volatile organic compound chemical off gassing through design engineering and materials selection.
- CARB (California Air Resources Board) compliant for reduction of formaldehyde emissions, identified as an airborne toxin.
- Textiles compliance with CA TB 117 (California Technical Bulletin) Flammability Standard Requirements for Upholstered Furniture products.

Watson’s Mercury Standard consoles meet the following functional specification requirements.

1. Stability – Function

- 1.1. The console furniture is designed specifically for 24/7 operations in an emergency communications center environment.
- 1.2. The console furniture is modular in design so as to be easily reconfigured and upgraded.
- 1.3. Technology storage and personal storage units stand free from the main console body so they can be field removed or replaced without deconstruction on the console unit.

- 1.4. Sit-to-stand legs are bolted into the console undercarriage and to the underside of the input support surface creating maximum proportional stability as opposed to free-standing leg and feet systems.
- 1.5. There are no obstructions side-to-side obstructions within the console footprint that will inhibit movement by the user, a critical component in order to provide on-going training of users and technology. Knee space spans a minimum of 70% of the console's overall width.
- 1.6. Horizontal work surfaces are strong and rigid and able to meet all required standards for furniture construction as outlined by ANSI/BIFMA X5.5-2008, Desk Products.

2. Input support surface

- 2.1. The input support surface lowers to 22" from the floor.
- 2.2. The input support surface raises to 48" above the floor to accommodate the 99th percentile standing male per ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.2.4.3.
- 2.3. The height-adjustability is engineered so as to provide infinite adjustment throughout the entire adjustment range, a critical function to meet ergonomic standards and reduce repetitive strain injuries and carpal tunnel syndrome.
- 2.4. The input support surface is a level platform that is wide enough to accommodate multiple input including keyboards, mice, and writing surface.
- 2.5. The input support surface has enough surface area to accommodate input devices within a primary and a secondary work zone and to meet ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.4.1 standards.
- 2.6. The input support surface allows the user to maintain elbow angles between 70 and 135 degrees to meet ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.1.1 standards.
- 2.7. The electronic adjustment is independent of the monitor support; other adjustment methods will be deemed unacceptable.
- 2.8. The electronic adjustment is controlled through a digital read-out to ensure precise user-preferred replication.
- 2.9. The electronic adjustment controls is mounted in a location that meets ADA standards for accessibility.
- 2.10. Adjustment controls have an option for a Wellness function to track standing usage and encourage users to use the adjustment controls to change posture throughout their shift.
- 2.11. The input support surface adjusts simultaneously with the monitor support in order to retain relative positioning between both surfaces when changing from sitting to standing. This promotes ergonomic alignment and a timely and controlled shift from sitting to standing work postures.
- 2.12. The input support surface has a static load capacity of 1200 lbs. and an equipment load capacity of 500 lbs to accommodate multiple models and quantities of various input devices.

- 2.13. Lifting columns for the input surface are integrated into the storage cavities for increased stability; leg set bases should not be exposed.
- 2.14. The input support surface legs have integrated anti-collision software to promote user safety, detect obstacles and prevent damage to console or equipment.
- 2.15. The Mercury Standard console has a minimum safety clearance of 1.25" between all moving surfaces, compliant with ANSI-HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.1.2.
- 2.16. The position of the input support surface relative to the lifting legs and ancillary enclosures is positioned so as to provide unobstructed knee clearance for users in the seated operating position in accordance with ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.2.1.
- 2.17. The input support surface is controlled using 24 VDC motors.
- 2.18. There are surface-mounted, user-configurable, user-accessible voice and data connections (RJ12, RJ45 USB, 3.5mm Audio) available and accessible from the front of the console.
- 2.19. All moveable components of the console's input support surface and lifting mechanisms are designed and tested to at least 40,000 cycle full range adjustments.

3. Monitor Viewing Support

- 3.1. The console design includes adjustment of monitors so that the gaze angle to the center of the screen ranges between 15° and 20° below horizontal eye level per ANSI-HFES 100-2007 Human Factors Engineering of Computer Workstations 5.2.4.3.
- 3.2. The console design can accommodate use of up to (5) 21" widescreen LCD flat panel monitors on a single tier, and up to (10) 21" widescreen LCD flat panel monitors in a stacked configuration and provide independent angle adjustment for each.
- 3.3. The monitor mounting array allows for focal depth adjustment.
- 3.4. Monitor supports are available in both array mount and individually adjustable versions.

4. Support Adjustments

- 4.1. All mechanical and powered support adjustment mechanisms operate at a speed approximately 1" per second.
- 4.2. Input surface support adjustment mechanisms are controlled through a digital read-out to ensure precise replication for individual users who share a single console workstation.
- 4.3. All mechanical and powered support adjustment controls are mounted in a location that meets ADA standards for accessibility; top mounted adjustment controls will be deemed unacceptable
- 4.4. All mechanical and powered support adjustment mechanisms including "lifting systems" operate quietly with a maximum sound level of 50db.

5. Partition Screens

- 5.1. Partition and screen frame components are constructed of 14 gauge cold rolled steel for maximum strength and durability.
- 5.2. All steel frame components are bolted together in a minimum of four places to ensure maximum strength and durability.
- 5.3. All steel components are powder coated for lasting durability as opposed to enamel paint which is not sufficiently durable.
- 5.4. All external-facing screen components are available in abrasion resistant fabric covering.
- 5.5. Internal screen components, including tackable core surfaces, are fabricated with materials that contain a minimum of 85% recycled content.
- 5.6. The partitions and screens are integrated into the main body of the furniture.
- 5.7. The screen/partition system sits within the console body's footprint so as to not reduce available open floorspace.
- 5.8. All screen and partition fasteners are completely concealed.
- 5.9. All screen and partition components are field replaceable.
- 5.10. All side and back facing screen and partitions are available in 42", 48", 54" and 60" heights; 36" return screens are also available.
- 5.11. All screen and partitions are available with a shatter-proof 12" acrylic upper section to help maintain sight lines.

6. **Equipment Enclosures - Console Technology Storage**

- 6.1. Console technology storage enclosures are accessible from both the front and the rear.
- 6.2. Console technology storage enclosures do not attach directly to the primary work surface.
- 6.3. Console technology storage enclosures are available in 24" and 30" heights.
- 6.4. Console technology storage enclosures are available in 30", 42" and 50" widths.
- 6.5. Console technology storage enclosures are available in a 24" depth.
- 6.6. Enclosures are engineered to support stacking storage components atop the units to allow for additional technology storage or personal storage without taking up added floor space.
- 6.7. Console technology storage enclosure rear access doors offer cooling by a minimum of 2 each 50 CFM axial cooling fans.
- 6.8. Console technology storage enclosure front access doors utilize a vented plenum system to draw cool air into the enclosure.
- 6.9. All console technology storage enclosures have an active cooling system to ensure that cabinets are kept at the optimum temperature for peak technology performance.
- 6.10. Console technology storage enclosures have horizontal cable management systems.

7. Cable Management Rail

- 7.1. Mercury consoles have a horizontal cable management rail for running cabling from one side of the console to the other.
- 7.2. The wood cable management rails are constructed of 42 lb. density particle board panel with THERMALLY FUSED MELAMINE (THERMALLY FUSED LAMINATE) on both sides.
- 7.3. All steel components within the wood cable management rail are powder coated for durability.
- 7.4. Internal cable management channels can house a minimum of 20 each Cat-6 cables or one each 1" flexible conduit.
- 7.5. Internal cable management channels contain fastening points to prevent unintentional movement and disconnection of cabling during active service.
- 7.6. The wood cable management rail has a locking option to prevent unauthorized personnel access to internal cabling.
- 7.7. The wood cable management rails are available in both single access and dual access configurations to allow maximum flexibility and future reconfiguration.

8. Enclosures - Personal Base Storage

- 8.1. Personal base storage enclosures are available in 24" and 30" heights.
- 8.2. Personal base storage enclosures are available in 30", 42" and 50" widths.
- 8.3. Personal base storage enclosures have optional filing storage sized at 20" wide.
- 8.4. Personal base storage enclosures are available in a 24" depth.
- 8.5. Personal base storage enclosures are available in single and dual sided configurations.
- 8.6. Personal base storage enclosures are available in combinations including open-drawer-door, open bookcase, and closed-door configurations.
- 8.7. Enclosures are engineered to support stacking storage components atop the units to allow for additional personal storage without taking up added floor space.

9. Enclosures - Personal Stacking Storage

- 9.1. Personal stacking storage enclosures are available in 18", 24" and 30" to correspond with the heights of the partition screens.
- 9.2. Personal stacking storage enclosures are available in 20", 30", 42" and 50" widths.
- 9.3. Personal stacking storage enclosures are available in a 24" depth.
- 9.4. Personal stacking storage enclosures are available in single and dual sided configurations.
- 9.5. Personal stacking storage enclosures are available in combinations including open-drawer-door, open bookcase, and closed-door configurations.

10. Enclosures - Stacking Pallets

- 10.1. Stacking pallet enclosures are available in an 8" height.
- 10.2. Stacking pallet enclosures are available in 20", 30", 42" and 50" widths.
- 10.3. Stacking pallet enclosures are available in a 24" depth.
- 10.4. Stacking pallet enclosures are cable ready to allow the placement of electrical components.
- 10.5. Stacking pallet enclosures include at least one grommet pass through and at least one monitor support mounting location.

11. Materials

11.1. Storage Enclosures

- 11.1.1. Wood parts are constructed of 42 lb. density particle board with THERMALLY FUSED MELAMINE (THERMALLY FUSED LAMINATE) on both sides.
- 11.1.2. Steel parts are manufactured from 14 gauge cold rolled steel for maximum strength and durability.

11.2. Surfaces

- 11.2.1. All monitor and input surfaces are 42 lb. density, 1 1/8" thick wood core material, pressure bonded with a high-pressure horizontal grade laminate top and sealing horizontal grade backing sheet of laminate on the underside to prevent deflection.

11.3. Edge Material

- 11.3.1. All storage enclosures, including fixed or mobile pedestals, have edges finished with 1.5mm thick thermoplastic polypropylene extrusion with self-healing properties for maximum durability.
- 11.3.2. All input support surfaces use a 3mm thick thermoplastic polypropylene extrusion edging with self-healing properties for maximum durability.
- 11.3.3. All input surface edging has a minimum 3mm radius on front edge so as to comply with ANSI/HFES 100-2007 Human Factors Engineering of Computer Workstations 8.3.1.4.

11.4. Laminates

- 11.4.1. High pressure laminate meets ANSI/ASME A 17.1; 1986 requirements for Class "B" laminate and ASTM D523-89, providing a non-glare matte finish.
- 11.4.2. All monitor and input surfaces are .0625" thickness horizontal grade laminate on the top surface and on the backing sheet, to prevent deflection.
- 11.4.3. Thermally fused laminate meets NEMA LI-1-1998.

11.5. Textiles/Fabric

- 11.5.1. All textiles are abrasion resistant to meet ASTM D-3597 MVPTS-198 standard.

11.5.2. All textiles meet flammability requirements in accordance with ASTM E-84 (Tunnel Test) Class A, or 1, and the State of California Technical Bulletin 117 Sec. E (SC-191-53) standards.

11.5.3. All textiles are made from 100% recyclable materials.

11.6. Powdercoat

11.6.1. Powdercoat meets ASTM D3359-09 adhesion standard for durability.

11.6.2. Powdercoat meets PCI #8 Solvent Cure Test for durability.

12. Electrical Requirements

12.1. Every console has (2) Power Distribution Units (PDU) units. Each PDU Unit provides (13) NEMA 5-15R outlets and a NEMA 5-20P input. PDU unit includes a 15 foot cord. PDU's are UL listed and CSA rated.

12.2. The total power draw for an individual console does not exceed 13.3 amps; this includes the console lifting system and all environmental controls.

13. Wire and Cable Management

13.1. The console includes two cable access drops with energy chains for vertical cable management from the input support surface to the equipment enclosures.

13.2. A quick connect user-accessible interface with accommodations for up to 10 configurable ports are available and includes ports, jacks and cables for: USB-A, RJ45, RJ11/12, and 3.5mm stereo audio connection kits; the quick connect interface also provides cable management for the equipment it serves.

13.3. The console infrastructure supports cable management from the user's position to the CPUs inside the console.

13.4. The console has a horizontal cable raceway for unencumbered and easily serviceable runs.

13.5. The console has a horizontal cable raceway that is easily accessible and allows drop-in cable runs to accommodate easy technology updates and service access.

14. Environmental Control System

14.1. Single Point Interface for Environmental Settings Only

14.1.1 An option for a Single Point Interface unit to control all environmental settings (task light dimming, task light on/off, heating and air distribution) are available.

14.1.2. Single Point Interface is mobile in design allowing the individual user to place the unit anywhere on the input or monitor work surfaces at any time.

14.2. Single Point Interface for Environmental Settings and Console Height Adjustments

14.2.1. An option for a Single Point Interface unit that controls monitor and input surface height adjustments in addition to all environmental settings (task light dimming, task light on/of, heating controls, and air distribution) is available.

14.2.2. Height for both the monitor and input surfaces includes separate digital read-outs to ensure total replication of console positioning for all employees. Digital readout for monitor surface displays inches from the floor.

14.2.3. Single Point Interface is mobile in design allowing the individual user to place the unit anywhere on the input or monitor work surfaces at any time.

14.3. ADA Compliance

14.3.1. System includes electronic adjustment controls located within reach of a wheelchair to meet ADA requirements.

14.4. Air Distribution

14.4.1. System offers a scalable design from 1 to 3 fans for circulating filtered air.

14.4.2. Fans are mobile in design allowing the individual user to place the fans anywhere on the input or monitor work surfaces at any time, providing maximum individualized control.

14.4.3. Fan filters are washable and user replaceable.

14.5. Lighting Levels

14.5.1. System provides 2 task light dimming outlets rated at 100 watts per outlet.

14.5.2. System provides 2 task light on/off outlets rated for 100 watts per outlet.

14.6. Radiant Heat Levels

14.6.1. System provides 1 outlet for a radiant heat accessory rated for 200 watts.

14.7. Activity Sensor

14.7.1. An option of power management through an activity sensor are available. The activity sensor will turn off all environmental systems after 15 minutes of inactivity. Upon detection motion, activity sensor will reactive and return to previous settings.

14.8. Power Requirements

14.8.1. 115 VAC, 60Hz

14.8.2. 15 ft. power cord with 3-prong plug

14.8.3. 0.3 amperes minimum draw, 6.0 amperes maximum draw

14.8.4. 0.3 amperes maximum fan draw (per fan)

14.8.5. UL listed, CSA certified, FCC certified

14.9. Radiant Heat Accessories

- 14.9.1. Heated Foot Rest
- 14.9.2. Heated Floor Mat
- 14.9.3. Heated Panel

14.10. Foot Rest

- 14.10.1. An option for an adjustable footrest is available. Footrests are offered in a non-heated option and a radiant heat option.

14.11. LED Task Lighting

- 14.11.1. Feature a 3-point articulating arm that swivels 120-degrees and provides a 180-degree tilt for maximum light control.
- 14.11.2. Are mountable to the monitor surface or extensions and bridges using a grommet or back flush mount.
- 14.11.3. Provide approximately 50,000 hours of lamp life.
- 14.11.4. Color temperature does not exceed 3,500K.
- 14.11.5. Is dimmable using an optional integrated single point interface.

15. Mercury Standard Console Product Certifications

- 15.1. ANSI/BIFMA X5.5-2008, Desk Products
- 15.2. ANSI/BIFMA Furniture Emissions Standard M7.1 and e-3-2014e
- 15.3. SCS Global Services Indoor Air Advantage Gold SCS-EC10.3-2014 v3.0

**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Space Planning & Design

Primary Proposal
Mercury Pro Consoles



Mercury Pro



Designed for peak, technical performance that's built to last, Mercury Pro Consoles enhance end-user health and performance, and will effortlessly endure the rigors of 24/7 environments for years to come – all while covered under the industry's strongest standard warranty.

Why choose Pro?

- Mercury Pro's expert design keeps everything within arm's reach, including the full suite of environmental, ergonomic, and monitor height controls.
- With easy-access tech bays, active-cooling fans for robust tech systems, and high-capacity easily accessible cabling, Mercury Pro is an IT Specialist's dream come true.
- With a steel lifting system that has been tested through 40,000 full cycles, a welded steel frame, and commercial grade, engineered wood board cabinets, this console is both a durable solution and a smart, long-term investment.



Mercury Pro - Features



① Accessories

Tackable, fabric privacy screens allow for personalization while diminishing noise transmission. Optional acrylic screen toppers help maintain worker health while maintaining critical sightlines. Include the Mercury Status Light to allow individuals to see their neighbor's status, and for supervisors to better observe stations.

② In-Dash Data Ports

Up to 20 technology ports can be installed including but not limited to cat6, stereo, and USB, and are organized using various integrated cable management solutions. The optional power receptacle makes charging easy for personal devices on the worksurface.

③ Tech Bridge

The technology bridge is the space efficient solution for your technology needs, with capacity to house up to 5 small to mid-sized PCs. Or option the cable bridge with dedicated cable channels for power and low-voltage cables.

④ The Hub

Hub cabinets allow for dedicated power and data entry points as well as integrated channel-based cable management for optimized organization.

⑤ Integrated Environment Controls

Desktop-cooling fans, dimmable ambient and task lighting, and forced-air heating are all easily controlled by an in-dash user interface.

⑥ Worksurface Depth Adjustment

Control monitor depth using release levers beneath desktop, which easily adjusts the horizontal position of the entire worksurface.

⑦ Height Adjustment & Wellness

The entire worksurface and monitor array can be adjusted from sitting height to a standing height of 50.8". The adjustment switch includes a programable calorie counter, which can remind dispatchers to move during their shifts and report on overall activity.

⑧ Rear Dash Power Module

Two modules per console provide power to monitors, with each concealed beneath access panels to keep cabling clean and tidy.

⑨ Monitor Cable Management

End-to-end cable management keeps critical video and power cables aligned while the monitor array is adjusted.

⑩ Steel Lifting Columns

Durable steel lifting columns provide up to 26" of sit-to-stand height adjustability and have a robust equipment weight capacity.

⑪ Stackable Storage

Keep clutter and distraction away from mission-critical and control center environments by utilizing stackable storage – which maximizes use of space and doesn't take up extra square-footage.

Qty. 3 - Mercury Pro 78" Consoles - 42" Tack Screens with 12" Tinted Acrylic (54"

Project Moberly Police Dept

Moberly

MO

MoberlyPD MO.02.cmdrw



Sales Rep:

Dick Buss

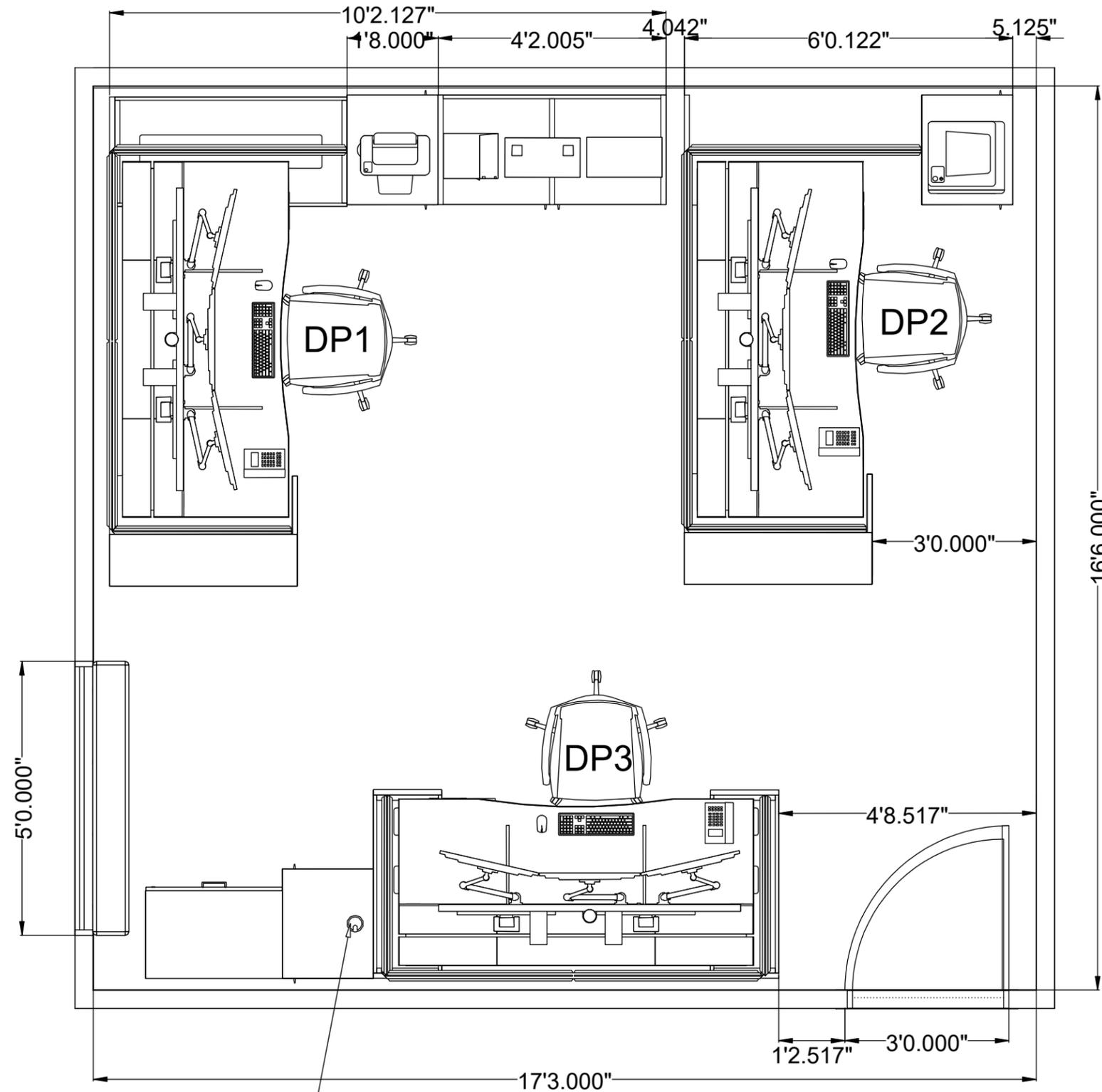
Account Manager:

Jenny Robinson

Project Designer:

T123

REV 00: MES 6/6/2019
 Preliminary Drawings
 REV 01: MES
 07/01/2021 Update
 Blocks
 REV 02: JLR 02/07/2023
 Quote



Field Installed Grommet From
 Hub To Tech Base

Scale~1:29

CP 01
 Full Room 2D

NOTE: Verify all building dimensions on-site prior to purchase or installation of product. Watson agrees to provide product Symbols that are correct. In turn, the agent or customer is responsible for providing accurate building plans, including dimensions, features, and information required for space planning and installation.

Approved By:

383

Name

Date

Title

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 Poulsbo, WA 98370
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Qty. 3 - Mercury Pro 78" Consoles - 42" Tack Screens with 12" Tinted Acrylic

Project Moberly Police Dept

Moberly

MO

MoberlyPD MO.02.cmdrw



Sales Rep:

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CP 01
Full Room 3D
Color

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Qty. 3 - Mercury Pro 78" Consoles - 42" Tack Screens with 12" Tinted Acrylic

Project Moberly Police Dept

Moberly

MO

MoberlyPD MO.02.cmdrw



Sales Rep:

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Account Manager:

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Project Designer:

T23

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CP 01
Full Room 3D
Color

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Qty. 3 - Mercury Pro 78" Consoles - 42" Tack Screens with 12" Tinted Acrylic

Project Moberly Police Dept

Moberly

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CP 01
Full Room 3D
Color

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Qty. 3 - Mercury Pro 78" Consoles - 42" Tack Screens with 12" Tinted Acrylic

Project Moberly Police Dept

Moberly

MO

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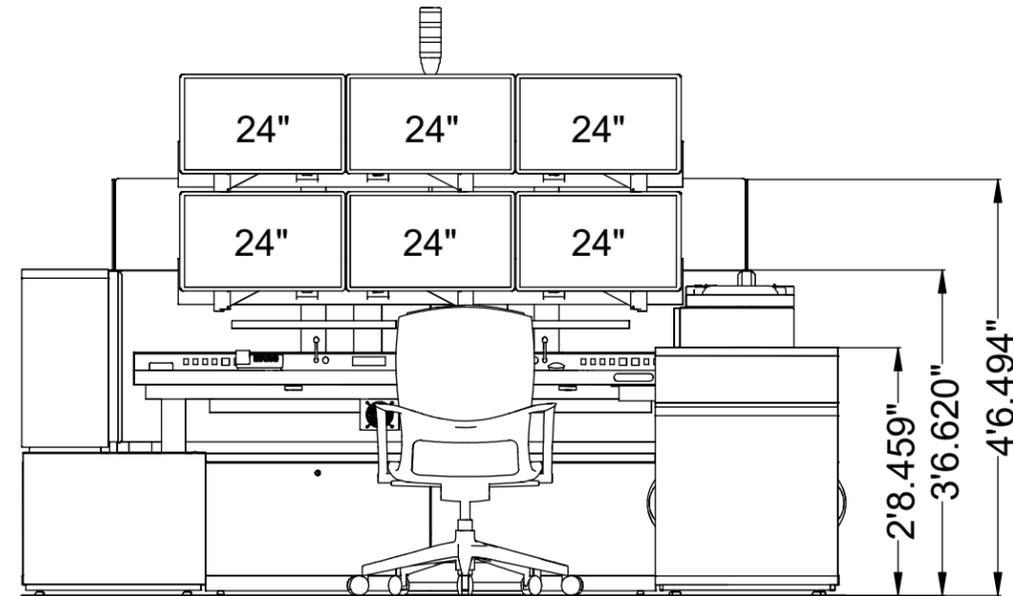
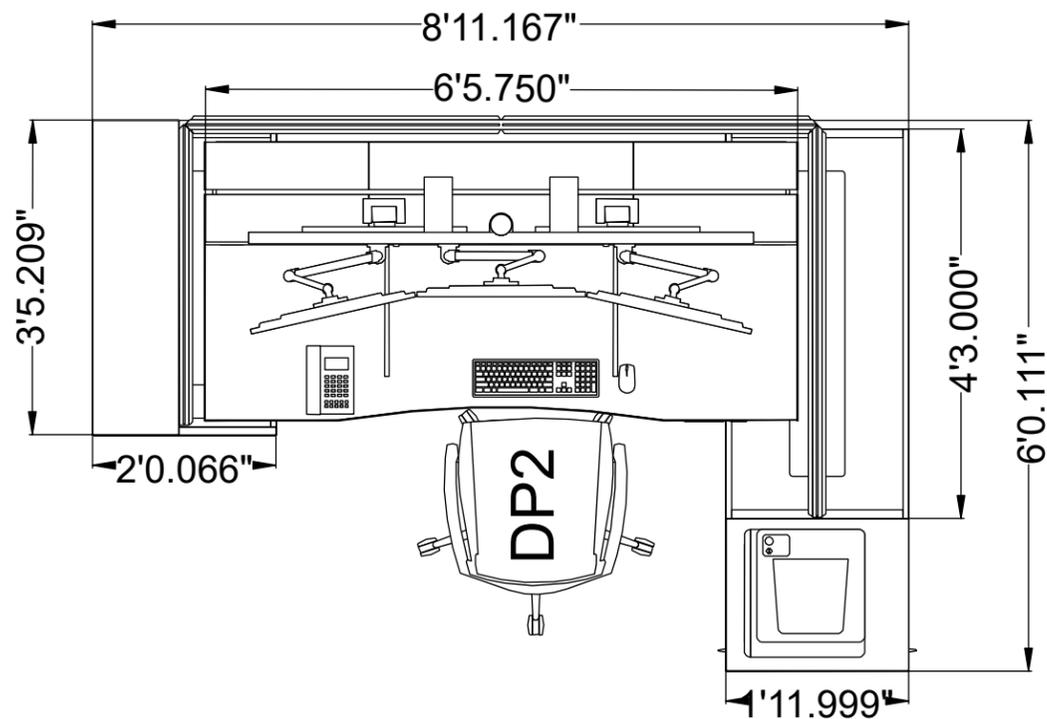
Project Manager:

Jenny Robinson

Project Designer:

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Scale 1/2" = 1'

Scale 1/2" = 1'

CP 01
 Typical A

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Approved By:

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Date

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**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Space Planning & Design

Alternate Proposal
Mercury Standard Consoles



Mercury Standard



Mercury Standard is the ideal console solution for any application and is built to withstand and enhance performance in high-focus, 24/7 environments.

Why Choose Standard?

- Combines robust, premium materials with expert craft and machining to ensure your console will last for years to come.
- Modular build makes technology and personal storage components easy to add and move as the needs of a space change over time.
- Superior, high-capacity cable management keeps everything organized, and easy to use.
- IT professionals have easy access to cables and technology making maintenance and repairs easy.
- Provides shared and personal storage, as well as easy-to-reach controls.
- Excels across the board in fire safety, BIFMA durability, R-56 compliance, FCC, ASTM E84, and CA TB 117.



Mercury Standard - Features



① Tech Bridge

The technology bridge is the space efficient solution for your technology needs, with capacity to house up to 5 small to mid-sized PCs. Or option the cable bridge with dedicated cable channels for power and low-voltage cables.

② The Hub

Hub cabinets allow for dedicated power and data entry points as well as integrated channel-based cable management for optimized organization.

③ Height Adjustable Worksurface

The worksurface can be electronically adjusted from sitting to standing height using the embedded switch, optimizing ergonomic functionality, keeping workers healthy and comfortable.

④ Steel Lifting Columns

Durable steel lifting columns provide up to 26" of sit-to-stand height adjustability and have a robust equipment weight capacity.

⑤ High-Capacity Monitor Array

A powerful slat-rail holds adjustable monitor arms and accommodates a variety of configurations including large-format monitors up to 55". Conveniently mount status light indicators, task lighting, small format PCs, and work tools.

⑥ Monitor Cable Management

End-to-end cable management keeps critical video and power cables aligned while the monitor array is adjusted.

⑦ Accessories

Include the Mercury Status Lights to allow individuals to see their neighbor's status, and for supervisors to better observe stations. Tackable, fabric privacy screens allow for personalization while diminishing noise transmission. Optional acrylic screen toppers help maintain worker health while maintaining critical sightlines.

⑧ Modular Tech Cabinets

Outboard technology cabinets utilize axial fans to include axial fans to provide active cooling, ultimately extending technology lifespan, and making access easy for IT teams.

⑨ Optional Environment Controls

Heating and cooling is easily adjustable using an in-dash user interface.

⑩ Steel Frame

Our precision-constructed, fusion welded steel frame is guaranteed to last and provide ultimate structural stability.

⑪ Storage

Keep clutter and distraction away from mission-critical and control center environments by utilizing stackable storage – which maximizes use of space and doesn't take up extra square-footage.

Acrylic (54" AFF)

Project Moberly Police Dept

Moberly

MO

MoberlyPD MO.02.cmdrw



Sales Rep:

Dick Buss

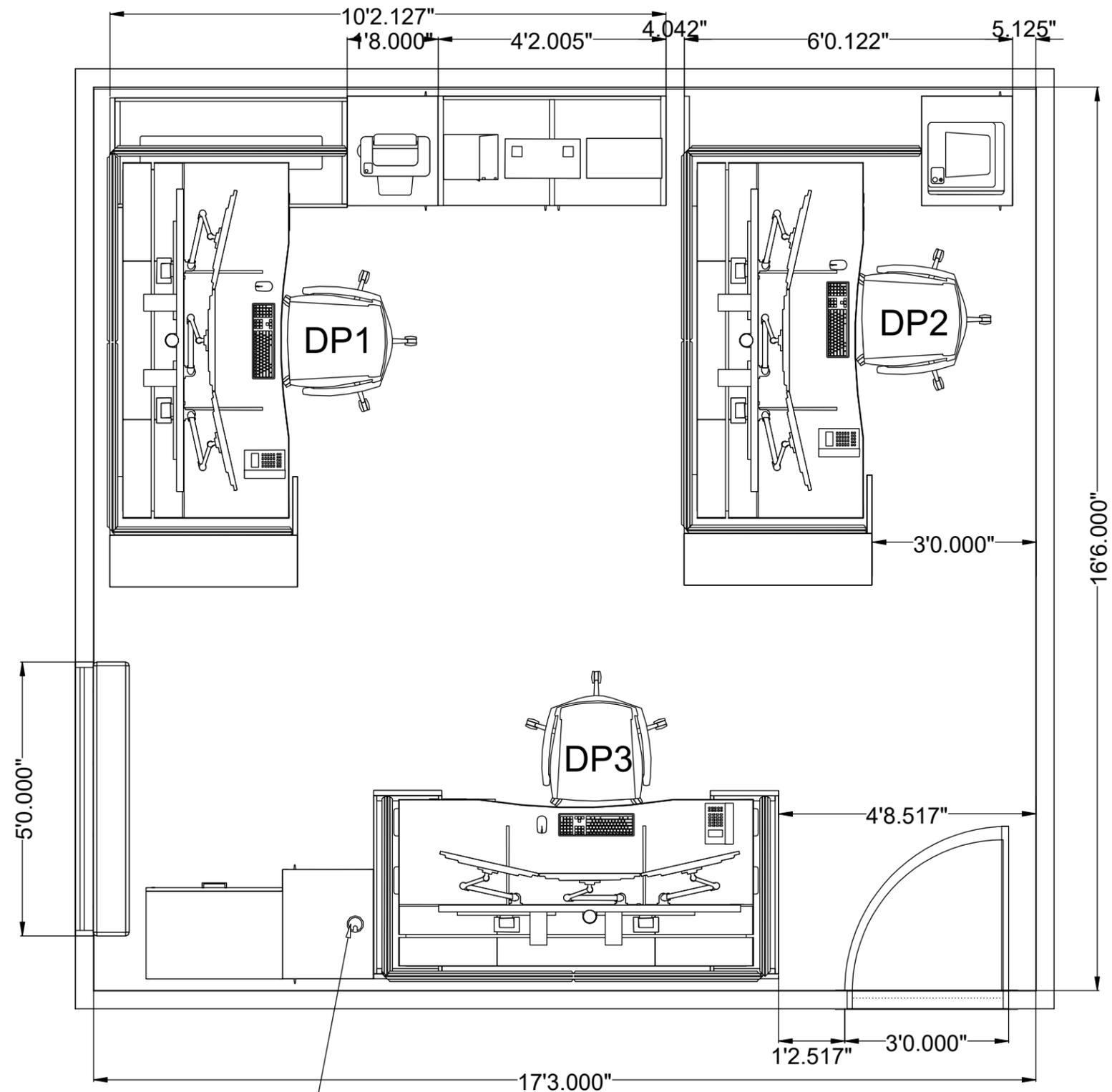
Account Manager:

Jenny Robinson

Project Designer:

T123

REV 00: MES 6/6/2019
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REV 01: MES
07/01/2021 Update
Blocks
REV 02: JLR 02/07/2023
Quote



Field Installed Grommet From
Hub To Tech Base

Scale~1:29

CP 02 Full Room 2D

NOTE: Verify all building dimensions on-site prior to purchase or installation of product. Watson agrees to provide product Symbols that are correct. In turn, the agent or customer is responsible for providing accurate building plans, including dimensions, features, and information required for space planning and installation.

Approved By:

Name

391

Date

Title

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Acrylic (54" AFF)

Project Moberly Police Dept

Moberly

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CP 02
Full Room 3D
Color

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Acrylic (54" AFF)

Project Moberly Police Dept

Moberly

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Quote



CP 02 Full Room 3D Color

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Acrylic (54" AFF)

Project Moberly Police Dept

Moberly

MO

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CP 02
Full Room 3D
Contour

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Acrylic (54" AFF)

Project Moberly Police Dept

Moberly

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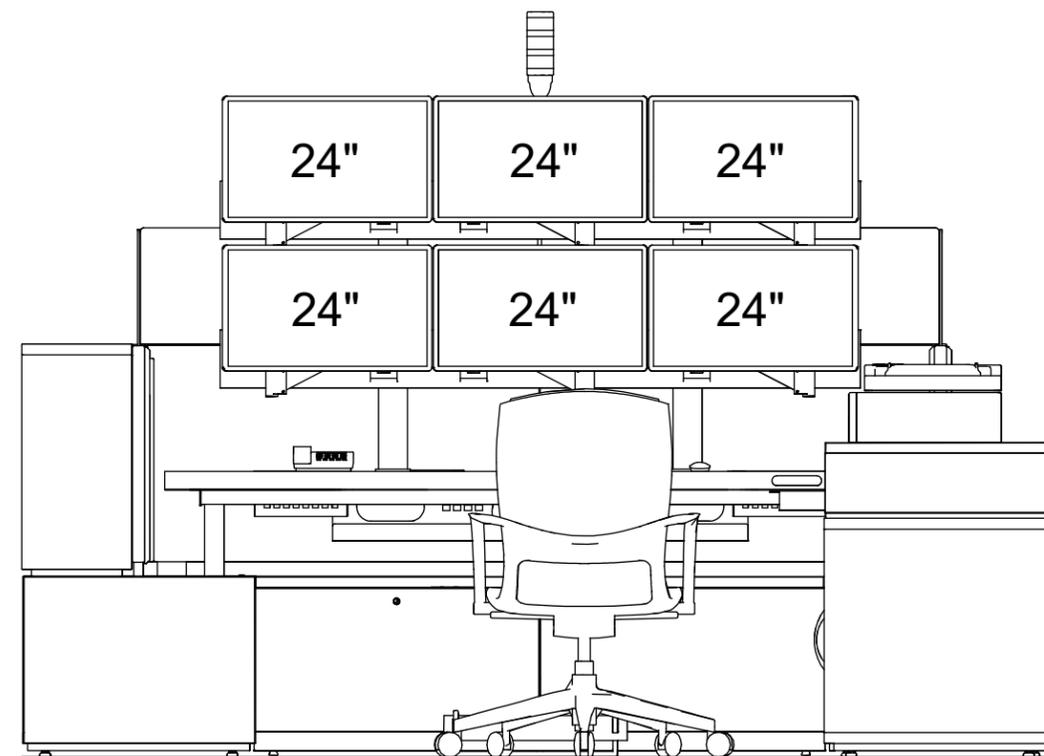
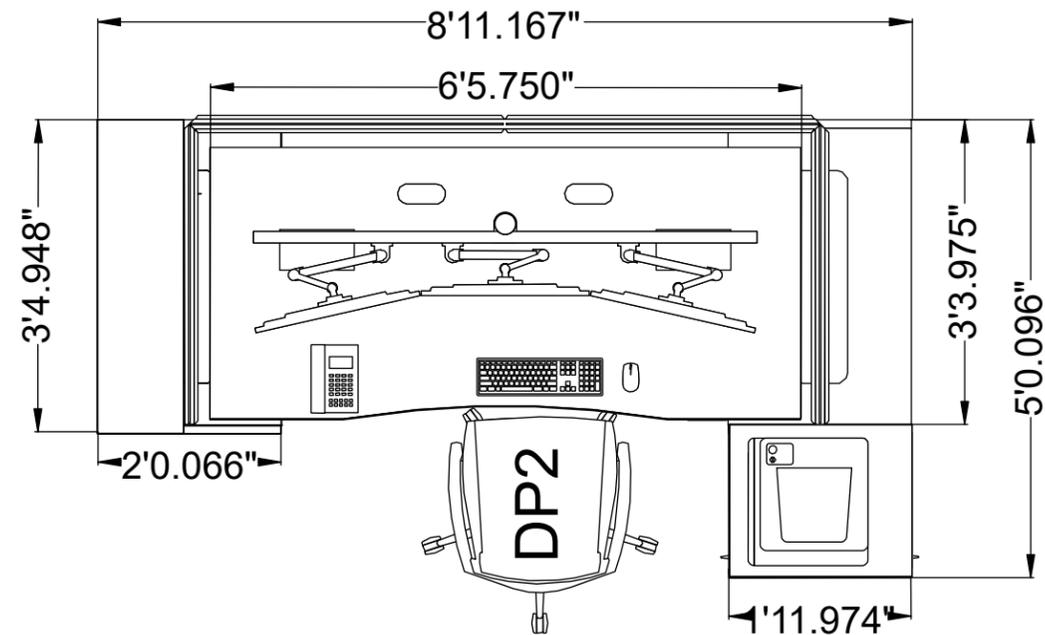
Project Manager:

Jenny Robinson

Project Designer:

T123

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Scale~1/2" = 1'

Scale~1:19

CP 02 Typical H

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Name

395

Date

Title

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**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Pricing Proposal

Primary & Alternate



Pricing Summary – Primary Proposal

Mercury Pro Linear Consoles

Mandatory Elements

Description	Units	Unit Cost	Total Cost
Sit to Stand Workstations	3	\$16,224.94	\$48,674.81
Integrated Monitor Mount (per workstation)	3	Included in Above	
Interior Cavity Ventilation (per workstation)	3	Included in Above	
25' Extension Cables for Monitor (5 per workstation - Mouse extension integrated)	15	\$36.00	\$540.00
Shipping	1		\$5,394.97
Installation Services	1		\$14,400.00
Breakdown & Removal of Existing Furniture	1		\$2,400.00
TOTALS			\$71,409.78

Optional Elements

Description	Units	Unit Cost	Total Cost
Performance Bond	1	\$3,000.00	
Interior Cavity Lighting (per workstation)	1	\$362.25	
Cooling Capability (per workstation)	1	\$1,467.00	
Heating Capability (per workstation)	1	Included in Above	
Task Lighting (per workstation)	1	Included in Above	
Foot Rests (per workstation)	1	\$94.50	
Wrist Rests (per workstation)	1	Not Available	
Call Status Indicator Light	1	\$787.50	
Workstation Accent Lighting	1	\$285.75	
Shared Storage Solutions	1	See Optional Pricing Details	
Seating (24x7 Operator Seating)	3	\$1,446.71	\$4,340.13

Moberly Police Dept

Contact: Bobbie Smith

Phone: 6602630346

Email: bsmith@moberlypd.com

Watson Factory Rep Firm: DICK BUSS & ASSOCIATES

Sales Person: Dick Buss

Phone: 6089872100

CONSOLE PLAN 01 - (3) MERCURY PRO CONSOLES - 78" WIDE

Each Position Includes:

42" High Screens w/ 12" High Tinted Acrylic (54" Total Height)

Electronically Height Adjustable Worksurface with Manual Focal Depth Adjustment

Electronically Height Adjustable Monitor Array with Focal Depth Adjustable Monitor Arms - Configuration Per Drawings

Technology Cabinet with Adjustable Shelf & Active Ventilation to Accommodate (2) PCs

Technology Bridge With Active Ventilation Accommodate (3) Small Format PC's - NO taller than 15"

Grounding Bar Kit

(2) Speaker Brackets - Array Mounted

(1) Headset Adatppter Bracket

In-Dash 110V AC Power Outlets

Optional Below:

Storage: Personal Pallet Storage - Open, End Storage Open, Shared Personal Base, Lateral File

Status Light - Red/Yellow/Green - Slat Rail Mount

Environment Control Package - Includes Forced Air Heat, Cooling Fans, LED Ambient Lighting & Dimmable LED Task Lighting

Footrest

Seating

(12) Technology Ports: (6) USB-A, (2) CAT6/RJ45, (2) 3.5mm, (1) RJ11/RJ12 & (1) USB Charger

Installation based on empty room, one trip, 1st floor with no prevailing wage or union requirements.

Tax is included but will be removed with proof of exemption provided at time of order

MATERIAL SURCHARGE: Watson has implemented a materials surcharge on orders received after May 1, 2022 . This charge is 5% of net and will be noted on your acknowledgement. Thank you for your understanding during this turbulent supply and transportation era.

1. State and Local Taxes will apply unless proof of exemption is provided with the Purchase Order.
2. Deposit may be required with order; Net 30 days of Shipment of Product.
3. Chairs, platforms, rails etc are for representational purposes only.
4. Customer is responsible for verification of room dimensions.
5. Completed Order consists of a signed Contract or Purchase Order and completed Final Signoff package
6. Change Order Fee (minimum \$500) may be applicable for changes after 5 business days of submission.
7. Pricing will be valid for four (4) months after receipt of Purchase Order.
8. Lead time based on product type and order size. Check with your sales associate upon ordering.

Quote Date 2/17/2023	Expiration Date 5/17/2023	Watson Account Manager: Lisa Dotterweich	www.watsonconsoles.com
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			56

Bill of Material

Project: Moberly Police Dept



Sold to

Company name: Moberly Police Dept.
 Contact Person: Bobbie Smith
 Contact Phone: 6602630346
 Contact Fax:

Distributor

Company name: DICK BUSS & ASSOCIATES
 Salesman: Dick Buss
 Salesman Phone: 6089872100
 Salesman Fax: 6083452104

#	Qty	Part Number	Description	Sell	Ext. Sell
Main 01					
1	15	0000388	CABLE,HDMI,W/ETHERNET,25' (EA)	\$36.00	\$540.00
2	1	DAGR	GROMMETS - SET OF FIVE	\$24.75	\$24.75
3	1	HD6H153918L-N	MERCURY PRO HUB, 15"D x 39"W x 18"H, LEFT HAND, NO GROMMET	\$1,809.00	\$1,809.00
4	1	HD6H153918R-N	MERCURY PRO HUB, 15"D x 39"W x 18"H, RIGHT HAND, NO GROMMET	\$1,809.00	\$1,809.00
5	2	HD6H243918L-N	MERCURY PRO HUB, 24"D x 39"W x 18"H, LEFT HAND, NO GROMMET	\$1,894.50	\$3,789.00
6	2	HD6H245118R-G	MERCURY PRO HUB, 24"D x 51"W x 18"H, RIGHT HAND, WITH GROMMET	\$2,094.75	\$4,189.50
7	3	HD6W3678D	MERCURY PRO WORKSURFACE WITH DEPTH ADJUSTMENT, 36"D x 78"W x 24-50"H, WITH CONTOUR EDGE, DUAL TIER ARRAY	\$4,122.00	\$12,366.00
8	2	HG6TS78G	MERCURY TECH BRIDGE, SINGLE SIDED 12" D X 18"H, FOR A 78"W CONSOLE, WITH GROMMET	\$632.25	\$1,264.50
9	1	HG6TS78N	MERCURY TECH BRIDGE, SINGLE SIDED 12" D X 18"H, FOR A 78"W CONSOLE, NO GROMMET	\$607.50	\$607.50
10	6	HGA	MERCURY ARRAY	\$1,147.50	\$6,885.00
11	1	HGBS1518D-L	MERCURY BRIDGE SPACER, 15"D x 18"H DUAL, LEFT HAND	\$49.50	\$49.50
12	1	HGBS1518D-R	MERCURY BRIDGE SPACER, 15"D x 18"H DUAL, RIGHT HAND	\$49.50	\$49.50
13	1	HGBS2418D-L	MERCURY BRIDGE SPACER, 24"D x 18"H DUAL, LEFT HAND	\$72.00	\$72.00
14	1	HGBS2418D-R	MERCURY BRIDGE SPACER, 24"D x 18"H DUAL, RIGHT HAND	\$72.00	\$72.00
15	1	HGBS2418S-L	MERCURY BRIDGE SPACER, 24"D x 18"H SINGLE, LEFT HAND	\$72.00	\$72.00
16	1	HGBS2418S-R	MERCURY BRIDGE SPACER, 24"D x 18"H SINGLE, RIGHT HAND	\$72.00	\$72.00
17	3	HGSOCBKT42L	MERCURY OUTSIDE CORNER BRACKET, 42"H	\$27.00	\$81.00
18	3	HGSOCBKT42R	MERCURY OUTSIDE CORNER BRACKET, 42"H	\$27.00	\$81.00
19	2	HGSR3954FAS	MERCURY RETURN SCREEN, FABRIC AND TINTED ACRYLIC, 39"W X 54"H,	\$720.00	\$1,440.00
20	2	HGSR5154FAS	MERCURY RETURN SCREEN, FABRIC AND TINTED ACRYLIC, 51"W X 54"H,	\$751.50	\$1,503.00
21	2	HGSRE3954FAS	MERCURY RETURN SCREEN, SINGLE FABRIC PANEL AND TINTED ACRYLIC, 39"W x 54"H	\$589.50	\$1,179.00
22	3	HGSS7854FAS	MERCURY SPINE SCREEN, FABRIC AND TINTED ACRYLIC, 78"W X 54"H,	\$1,179.00	\$3,537.00
23	3	HGTB242024R	MERCURY TECHNOLOGY BASE, 24"D x 20"W x 24"H, RIGHT HAND	\$1,107.00	\$3,321.00
24	2	HHC1518	MERCURY HUB COVER, 15"D x 18"H	\$36.00	\$72.00
25	2	HHC2418	MERCURY HUB COVER, 24"D x 18"H	\$40.50	\$81.00
26	3	TXX4X6GROUND	MERCURY, GROUND BAR KIT 4" X 6"	\$94.50	\$283.50
27	6	TXXSPKBKT	SPEAKER BRACKET, ARRAY MOUNT	\$22.50	\$135.00
28	3	TXXTECHAUDBKT	HEADSET JACK MOUNT BKT, BLACK	\$49.50	\$148.50
29	2	TXXTECHAUDIO25	TECH LINK, STEREO AUDIO JACK, (3.5mm CONNECTOR SIZE) - Black, 25Ft	\$25.00	\$50.00
	4	TXXTECHAUDIO25	TECH LINK, STEREO AUDIO JACK, (3.5mm CONNECTOR SIZE) - Black, 25Ft	\$25.00	\$100.00
30	2	TXXTECHDATA25	TECHLINK, DATA JACK (CAT6), RJ45, PASS THROUGH PANEL MOUNT - Black, 25 Ft	\$45.00	\$90.00
	4	TXXTECHDATA25	TECHLINK, DATA JACK (CAT6), RJ45, PASS THROUGH PANEL MOUNT - Black, 25 Ft	\$45.00	\$180.00
31	1	TXXTECHPH25	TECH LINK, PHONE JACK, (RJ11 / RJ12) - Black, 25Ft	\$20.00	\$20.00
	2	TXXTECHPH25	TECH LINK, PHONE JACK, (RJ11 / RJ12) - Black, 25Ft	\$20.00	\$40.00
32	1	TXXTECHUSB-CHG	TECH LINK, USB CHARGER INSERT	\$100.00	\$100.00
	2	TXXTECHUSB-CHG	TECH LINK, USB CHARGER INSERT	\$100.00	\$200.00
33	6	TXXTECHUSB15	TECH LINK, USB INSERT (TYPE A), FEMALE / FEMALE WALL PLATE COUPLER - Black, 15Ft	\$30.00	\$180.00
	12	TXXTECHUSB15	TECH LINK, USB INSERT (TYPE A), FEMALE / FEMALE WALL PLATE COUPLER - Black, 15Ft	\$30.00	\$360.00
34	1	WAKEY-STD	MASTER KEY, STANDARD LOCK (082000)	\$18.00	\$18.00
				Total Main 01	\$46,871.25

Subtotal Product	\$46,871.25
Material Surcharge (5 %)	\$2,343.56
Install	\$14,400.00
Breakdown and Removal	\$2,400.00
Freight	\$5,394.97

Bill of Material

Project: Moberly Police Dept



Sold to

Company name: Moberly Police Dept.
Contact Person: Bobbie Smith
Contact Phone: 6602630346
Contact Fax:

Distributor

Company name: DICK BUSS & ASSOCIATES
Salesman: Dick Buss
Salesman Phone: 6089872100
Salesman Fax: 6083452104

#	Qty	Part Number	Description	Sell	Ext. Sell
				Total	\$71,409.78

Bill of Material

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Company name: DICK BUSS & ASSOCIATES
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#	Qty	Part Number	Description	Sell	Ext. Sell
Main 01 Optional					
1	3	HAENVCON	MERCURY ENVIRONMENT CONTROL, RETROFIT FOR MERCURY PRO	\$1,467.00	\$4,401.00
2	2	HGESSO3942S	MERCURY END STACKER STORAGE, OPEN, 11.375"D X 39"W X 42"H, SINGLE	\$378.00	\$756.00
3	1	HGPBDP245024R	MERCURY PERSONAL BASE, DOOR PAIR, 24"D x 50"W x 24"H, RIGHT HAND	\$940.50	\$940.50
4	2	HGPP024208R	MERCURY PERSONAL PALLET, OPEN, 24"D x 20"W x 8"H, RIGHT HAND	\$324.00	\$648.00
5	1	HGPP024508R	MERCURY PERSONAL PALLET, OPEN, 24"D x 50"W x 8"H, RIGHT HAND	\$648.00	\$648.00
6	3	TXXFR	FOOT REST	\$94.50	\$283.50
7	3	TXXSTATUS-3LPS	STATUS LIGHT R/Y/G WITH POWER SUPPLY	\$787.50	\$2,362.50
8	3	VEND-PROD	3142r1 High Back Black Staccato C-Loop Arms, Standard Base, 60MM casters	\$1,446.71	\$4,340.13
9	1	ZS2LF203026	ZO STORAGE, 2 LATERAL, 20"D X 30"W X 26"H	\$828.00	\$828.00
Total Main 01 Optional				\$15,207.63	\$15,207.63

Subtotal Product **\$15,207.63**
 Material Surcharge (5 %) \$760.38
Total **\$15,968.01**

Pricing Summary – Alternate Proposal

Mercury Standard Linear Consoles

Mandatory Elements

Description	Units	Unit Cost	Total Cost
Sit to Stand Workstations	3	\$13,255.54	\$39,766.61
Integrated Monitor Mount (per workstation)	3	Included in Above	
Interior Cavity Ventilation (per workstation)	3	Included in Above	
25' Extension Cables for Monitor (5 per workstation - Mouse extension integrated)	15	\$36.00	\$540.00
Shipping	1		\$5,394.97
Installation Services	1		\$12,800.00
Breakdown & Removal of Existing Furniture	1		\$2,400.00
TOTALS			\$60,901.58

Optional Elements

Description	Units	Unit Cost	Total Cost
Performance Bond	1	\$3,000.00	
Interior Cavity Lighting (per workstation)	1	\$362.25	
Cooling Capability (per workstation)	1	\$1831.50	
Heating Capability (per workstation)	1	Included in Above	
Task Lighting (per workstation)	1	Included in Above	
Foot Rests (per workstation)	1	\$94.50	
Wrist Rests (per workstation)	1	Not Available	
Call Status Indicator Light	1	\$787.50	
Workstation Accent Lighting	1	\$285.75	
Shared Storage Solutions	1	See Optional Pricing Details	
Seating (24x7 Operator Seating)	3	\$1,446.71	\$4,340.13

Moberly Police Dept

Contact: Bobbie Smith

Phone: 6602630346

Email: bsmith@moberlypd.com

Watson Factory Rep Firm: DICK BUSS & ASSOCIATES

Sales Person: Dick Buss

Phone: 6089872100

CONSOLE PLAN 01 - (3) MERCURY STANDARD CONSOLES - 78" WIDE

Each Position Includes:

42" High Screens w/ 12" High Tinted Acrylic (54" Total Height)

Electronically Height Adjustable Worksurface with Techlink

Stationary Monitor Array with Individually Adjustable Monitor Arms - Configuration Per Drawings

Technology Cabinet with Pull Out Shelf & Active Ventilation to Accommodate (2) PCs

Technology Bridge With Active Ventilation Accommodate (3) Small Format PC's - NO taller than 15"

Grounding Bar Kit

(2) Speaker Brackets - Array Mounted

(1) Headset Adatpter Bracket

Optional Below:

Storage: Personal Pallet Storage - Open, End Storage Open, Shared Personal Base, Lateral File

Status Light - Red/Yellow/Green - Slat Rail Mount

Environment Control Package - Includes Forced Air Heat, Cooling Fans, LED Ambient Lighting & Dimmable LED Task Lighting

Footrest

Seating

(12) Technology Ports: (6) USB-A, (2) CAT6/RJ45, (2) 3.5mm, (1) RJ11/RJ12 & (1) USB Charger

Installation based on empty room, one trip, 1st floor with no prevailing wage or union requirements.

****Tax is included but will be removed with proof of exemption provided at time of order****

MATERIAL SURCHARGE: Watson has implemented a materials surcharge on orders received after May 1, 2022 . This charge is 5% of net and will be noted on your acknowledgement. Thank you for your understanding during this turbulent supply and transportation era.

1. State and Local Taxes will apply unless proof of exemption is provided with the Purchase Order.
2. Deposit may be required with order; Net 30 days of Shipment of Product.
3. Chairs, platforms, rails etc are for representational purposes only.
4. Customer is responsible for verification of room dimensions.
5. Completed Order consists of a signed Contract or Purchase Order and completed Final Signoff package
6. Change Order Fee (minimum \$500) may be applicable for changes after 5 business days of submission.
7. Pricing will be valid for four (4) months after receipt of Purchase Order.
8. Lead time based on product type and order size. Check with your sales associate upon ordering.

Quote Date 2/17/2023	Expiration Date 5/17/2023	Watson Account Manager: Lisa Dotterweich	www.watsonconsoles.com
This Document is Confidential & Proprietary (C) 2022 Watson Furniture Group, Inc. All Rights Reserved		403	360.394.1300
			61

Bill of Material

Project: Moberly Police Dept



Sold to

Company name: Moberly Police Dept.
 Contact Person: Bobbie Smith
 Contact Phone: 6602630346
 Contact Fax:

Distributor

Company name: DICK BUSS & ASSOCIATES
 Salesman: Dick Buss
 Salesman Phone: 6089872100
 Salesman Fax: 6083452104

#	Qty	Part Number	Description	Sell	Ext. Sell
Main 02					
1	15	0000388	CABLE,HDMI,W/ETHERNET,25' (EA)	\$36.00	\$540.00
2	1	DAGR	GROMMETS - SET OF FIVE	\$24.75	\$24.75
3	1	HC6H153918L-N	MERCURY STANDARD HUB, 15"D x 39"W x 18"H, LEFT HAND, NO GROMMET	\$1,098.00	\$1,098.00
4	1	HC6H153918R-N	MERCURY STANDARD HUB, 15"D x 39"W x 18"H, RIGHT HAND, NO GROMMET	\$1,098.00	\$1,098.00
5	2	HC6H243918L-N	MERCURY STANDARD HUB, 24"D x 39"W x 18"H, LEFT HAND, NO GROMMET	\$1,197.00	\$2,394.00
6	2	HC6H243918R-G	MERCURY STANDARD HUB, 24"D x 39"W x 18"H, RIGHT HAND, WITH GROMMET	\$1,221.75	\$2,443.50
7	3	HC6W3678C	MERCURY STANDARD WORKSURFACE, 36"D x 78" W, WITH CONTOUR EDGE, WITH COMBO TECHLINK + POWER	\$2,092.50	\$6,277.50
8	2	HG6TS78G	MERCURY TECH BRIDGE, SINGLE SIDED 12" D X 18"H, FOR A 78"W CONSOLE, WITH GROMMET	\$632.25	\$1,264.50
9	1	HG6TS78N	MERCURY TECH BRIDGE, SINGLE SIDED 12" D X 18"H, FOR A 78"W CONSOLE, NO GROMMET	\$607.50	\$607.50
10	6	HGA	MERCURY ARRAY	\$1,147.50	\$6,885.00
11	1	HGBS1518D-L	MERCURY BRIDGE SPACER, 15"D x 18"H DUAL, LEFT HAND	\$49.50	\$49.50
12	1	HGBS1518D-R	MERCURY BRIDGE SPACER, 15"D x 18"H DUAL, RIGHT HAND	\$49.50	\$49.50
13	1	HGBS2418D-L	MERCURY BRIDGE SPACER, 24"D x 18"H DUAL, LEFT HAND	\$72.00	\$72.00
14	1	HGBS2418D-R	MERCURY BRIDGE SPACER, 24"D x 18"H DUAL, RIGHT HAND	\$72.00	\$72.00
15	1	HGBS2418S-L	MERCURY BRIDGE SPACER, 24"D x 18"H SINGLE, LEFT HAND	\$72.00	\$72.00
16	1	HGBS2418S-R	MERCURY BRIDGE SPACER, 24"D x 18"H SINGLE, RIGHT HAND	\$72.00	\$72.00
17	3	HGSOCBKT42L	MERCURY OUTSIDE CORNER BRACKET, 42"H	\$27.00	\$81.00
18	3	HGSOCBKT42R	MERCURY OUTSIDE CORNER BRACKET, 42"H	\$27.00	\$81.00
19	4	HGSR3954FAS	MERCURY RETURN SCREEN, FABRIC AND TINTED ACRYLIC, 39"W X 54"H,	\$720.00	\$2,880.00
20	2	HGSRE3954FAS	MERCURY RETURN SCREEN, SINGLE FABRIC PANEL AND TINTED ACRYLIC, 39"W x 54"H	\$589.50	\$1,179.00
21	3	HGSS7854FAS	MERCURY SPINE SCREEN, FABRIC AND TINTED ACRYLIC, 78"W X 54"H,	\$1,179.00	\$3,537.00
22	3	HGTB242024R	MERCURY TECHNOLOGY BASE, 24"D x 20"W x 24"H, RIGHT HAND	\$1,107.00	\$3,321.00
23	2	HHC1518	MERCURY HUB COVER, 15"D x 18"H	\$36.00	\$72.00
24	2	HHC2418	MERCURY HUB COVER, 24"D x 18"H	\$40.50	\$81.00
25	3	TXX4X6GROUND	MERCURY, GROUND BAR KIT 4" X 6"	\$94.50	\$283.50
26	6	TXXSPKBKT	SPEAKER BRACKET, ARRAY MOUNT	\$22.50	\$135.00
27	3	TXXSTATUS-3LPS	STATUS LIGHT R/Y/G WITH POWER SUPPLY	\$787.50	\$2,362.50
28	3	TXXTECHAUDBKT	HEADSET JACK MOUNT BKT, BLACK	\$49.50	\$148.50
29	6	TXXTECHAUDIO25	TECH LINK, STEREO AUDIO JACK, (3.5mm CONNECTOR SIZE) - Black, 25Ft	\$22.50	\$135.00
30	6	TXXTECHDATA25	TECHLINK, DATA JACK (CAT6), RJ45, PASS THROUGH PANEL MOUNT - Black, 25 Ft	\$40.50	\$243.00
31	3	TXXTECHPH25	TECH LINK, PHONE JACK, (RJ11 / RJ12) - Black, 25Ft	\$18.00	\$54.00
32	3	TXXTECHUSB-CHG	TECH LINK, USB CHARGER INSERT	\$90.00	\$270.00
33	18	TXXTECHUSB15	TECH LINK, USB INSERT (TYPE A), FEMALE / FEMALE WALL PLATE COUPLER - Black, 15Ft	\$27.00	\$486.00
34	1	WAKEY-STD	MASTER KEY, STANDARD LOCK (082000)	\$18.00	\$18.00
				Total Main 02	\$38,387.25

Subtotal Product	\$38,387.25
Material Surcharge (5 %)	\$1,919.36
Install	\$12,800.00
Breakdown and Removal	\$2,400.00
Freight	\$5,394.97
Total	\$60,901.58

Bill of Material

Project: Moberly Police Dept



Sold to

Company name: Moberly Police Dept.
 Contact Person: Bobbie Smith
 Contact Phone: 6602630346
 Contact Fax:

Distributor

Company name: DICK BUSS & ASSOCIATES
 Salesman: Dick Buss
 Salesman Phone: 6089872100
 Salesman Fax: 6083452104

#	Qty	Part Number	Description	Sell	Ext. Sell
Main 02 - Optional					
1	2	HGESSO3942S	MERCURY END STACKER STORAGE, OPEN, 11.375"D X 39"W X 42"H, SINGLE	\$378.00	\$756.00
2	1	HGPBDP245024R	MERCURY PERSONAL BASE, DOOR PAIR, 24"D x 50"W x 24"H, RIGHT HAND	\$940.50	\$940.50
3	2	HGPPO24208R	MERCURY PERSONAL PALLET, OPEN, 24"D x 20"W x 8"H, RIGHT HAND	\$324.00	\$648.00
4	1	HGPPO24508R	MERCURY PERSONAL PALLET, OPEN, 24"D x 50"W x 8"H, RIGHT HAND	\$648.00	\$648.00
5	3	TXXFR	FOOT REST	\$94.50	\$283.50
6	3	TXXMECU	MODULAR ENVIRONMENT CONTROL UNIT, WITH FORCED AIR HEAT, 2 COOLING FANS, 2 AMBIENT LIGHTS AND 2 DIMMABLE TASK LIGHTS	\$1,831.50	\$5,494.50
7	3	TXXSTATUS-3LPS	STATUS LIGHT R/Y/G WITH POWER SUPPLY	\$787.50	\$2,362.50
8	3	VEND-PROD	3142r1 High Back Black Staccato C-Loop Arms, Standard Base, 60MM casters	\$1,446.71	\$4,340.13
9	1	ZS2LF203026	ZO STORAGE, 2 LATERAL, 20"D X 30"W X 26"H	\$828.00	\$828.00
Total Main 02 - Optional					\$16,301.13

Subtotal Product **\$16,301.13**
 Material Surcharge (5 %) \$815.06
Total **\$17,116.19**

**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Proposed Timing and Installation Schedule



Lead Time, Shipping and Delivery

Moberly Regional Joint Communications Center Proposed Implementation Timeline

Every project is unique. Our experience installing dispatch consoles in more than 5000 centers across the United States makes us experts at calibrating production and installation times.

We also know that big purchases often include committee review. With this in mind, we have developed a timeline to accommodate multiple revisions and review. Your project will certainly be unique, and we will flex project phase timing to best meet your needs. Once you have initiated a project with the Watson Consoles team, your schedule will look something like this:

Contract Award 3/1/23 – 3/20 /23	Final Design & Specification - Finalize specifications and floor plans, make space refinements - Finalize color palette and finish selections - Finalize delivery and installation date - Receive final sign-offs; purchase order.
Order 3/20/23 – 6/19/23	Currently 13 weeks production lead time but will work to decrease this timeframe.
Transport 6/20/23-6/26/23	1 week to deliver truck and stage product
Unload/Inventory 6/26/23	On location at the Moberly Regional Joint Communications Center
Installation 6/27/23 – 6/29/23	3 consoles (Empty room) Estimated 3 days for breakdown/removal of existing furniture and installation of new consoles

Dispatch console installation requires coordination with multiple vendors. We have found that radio and electrical completion usually dictates the pace of console installation. Watson will work closely with you and your vendors to develop a timeline to support full installation of interdependent vendor goods.

Proposed Project Implementation Plan

Providing and outfitting a PSAP center with dispatch consoles requires attention to detail and close integration of the user, technology and the facility.

This document will guide your team through the project process. Your project is unique and may vary slightly based on your needs. There are no client costs for the services Watson Consoles provides prior to the product order phase.

Your dedicated Watson Consoles Account Manager and your local manufacturer's representative will work in concert from the finalization of your floor-plan through the successful console system installation. Our team will set up a project kick-off meeting followed by monthly status update meetings. We will monitor project progress and we will closely coordinate with your data, electrical, and technology providers to ensure the furniture delivery and installation is delivered on-time and within budget. As well as schedule Transportation, Delivery and Installation of consoles with Key Stakeholders.

Project Phases

Information Gathering

Identify key consultant team members & create project timeline, 1-2 hours on-site visit:

- Capture key user needs, project details, scope and requirements
- Identify key client and Watson stakeholders and their roles
- Review Watson Consoles project process

Design

User Requirements - Watson will work with your team to refine the individual console design(s) based upon your final technology and work-flow requirements. We will also incorporate contingency and growth planning in the layout of the consoles within the floorplan.

Technology/Equipment Requirements - We will identify and assign a dedicated location for each piece of equipment housed on or within the console. We will also determine and specify all connections necessary to outfit the console. This supports seamless installation and will simplify regular maintenance.

Floor Plan Development - Watson will fine-tune the floor plan for each team space, paying close attention to work-flow and architectural requirements unique to your center.

Color Selection - Watson will work with your team to select the finishes that best suit your facility's functional requirements and support your workplace culture.

Facility Requirements - The Watson team will meet with your project team and facilities personnel and provide them with detailed drawings for the recommended power/data pole locations in each of the spaces. We will also identify power entry point options into the console and provide locations for terminations. We will follow the cabling requirements outlined by you to support a clean, worry-free cable installation.

Quoting

A detailed quote is generated and will include:

- Drawings of the selected console design + scale floorplan
- Additional optional components or configurations requested by your team
- Freight and installation

Proposed Project Implementation Plan

Project Kick Off Meeting

- Introduction of Key Personnel – Conference Call Review of layout, options, establish timelines
- Review of finishes, electrical requirements and Statement of work
- Establish meeting schedule for follow up checklist

Sign-Off + Final Approval

This signed package of documents and drawings is submitted to Watson Consoles by your team and signals the beginning of the production phase.

Production

Your Account Manager will work with you to finalize shipping, staging and installation dates. They will further communicate production milestone status and the impact, if any, on delivery and installation commitments.

Watson Consoles' factory is staffed by more than 200 employees who have advanced expertise in the following areas: CNC machine operation, welding (functional and cosmetic), electrostatic paint application, components assembly, product testing and qualification. Experienced and dedicated employees are experts in their production phase and ensure the highest levels of fit and finish in your finished console(s).

Shipping

For maximum protection, we will ship your consoles blanket wrapped. Your product will be loaded into air-ride trucks that will deliver your new consoles directly from the factory to your facility. All product deliveries are scheduled to arrive at the agreed upon time. A certified Watson Installation team will meet the delivery and begin unloading, inventory and staging of the product.

**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Our Experience



Watson Legacy



Operating from day one out of the Pacific Northwest, Watson has been serving the console furniture industry since 1986. We are dedicated to continuing our legacy of providing exceptionally built, reliable consoles for 24/7 environments and mission critical teams.

Decades In the Making

We began serving command center environments in 1986 and have continuously pioneered innovative and ergonomic console solutions for this dynamic industry ever since. We were the first to include height-adjustable functionality in our workstations and have kept that same spirit of invention ever since. We aim to provide tailored solutions for each project and rely on our many decades of experience to anticipate our customers' needs, and confidently deliver a positive, valuable experience for each of our clients. We take pride in our mission to exceed your needs, deliver premium service, and be the company our clients can rely on for many years to come.

Manufactured Responsibly

We believe in doing the job right, and that means accounting for the health and safety of our workers, our clients, and our environment. Our choice to use sustainable processes and materials means our products won't off-gas harmful chemicals or particulates, which keeps your center a clean, healthy environment for workers to be in.



We use sustainable processes and materials ensuring your center remains a clean, healthy environment for workers to be in.

Watson Advantage – The Right Materials



Powerfully Built Since 1986

Our Steel

The steel frame for each of our consoles is manufactured in our Washington State facility using meticulous construction and expert craft to create sturdy, reliable pieces worthy of your facility. Additionally, we leverage robust, steel lifting columns to bring height adjustable functionality to our products, which allows users even more ergonomic flexibility.

Textiles

We employ textile panels made from 100% recycled plastic water bottles on each of our consoles to further dampen echo and reverb in a space, helping maintain end-users focus.

Dimensionally Stable Engineered Board

By using durable materials like Pacific Northwest-engineered wood board, we can ensure our consoles are structurally robust, actively contribute to an environment that's warmer, more inviting, and easier to work in. Fully metal consoles can feel wobbly, make rooms less appealing, and create distracting, metallic noise when interacted with disrupting the sensitive work many mission-critical teams do. Adding wood elements helps diminish sound pollution and makes working at our consoles more comfortable for the individuals working at them.

“

“You’re so easy to deal with. I go straight to you without thinking what desk it is. Thanks for all you do to help me out, I really appreciate it!”

-San Bernadino County, Manager

”

The Watson Advantage

Watson Is The Best Partner And Here's Why

The Moberly Regional Joint Communications Center merits special attention to accommodate the level of detail and customization that is required to perform the job of dispatching. Our approach to equipping your center has been formed by our experience observing centers in action and installing console furniture in more than 3,000 locations. Our commitment to providing a dedicated project manager guarantees you have an advocate throughout your project lifecycle.

As part of our customer service commitment, we will assign a dedicated project team to work towards your complete satisfaction. A detailed list of your project team can be found in a later section within this response. In summary, your primary team includes:

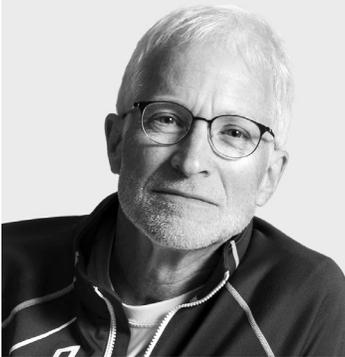
- Enterprise Solutions Manager – Quint Andrae
- Project Manager – Jenny Robbins
- National Sales Manager – Kevin Goy
- Post Sales Operations Manager – Brian Hickson
- Sales Representative – Dick Buss/BJ Buss

Acting as the single point of contact, Amanda will act as your advocate within the Watson Consoles organization. Ensuring flawless performance, your account manager guides the project team beginning with the preliminary planning process through job completion and post-sale customer service.

Each Watson Consoles project team member works in concert to communicate clearly and coordinate the efficient and accurate flow of progress including space planning, power and technology specification, revisions, logistics, installation, customer console training, and the resolution of any financial, schedule, quality, or related performance issues.

Our proven competencies in product design, manufacturing disciplines, and project support combine to deliver your ideal furniture solution. Our experience and on-going learning assure you that you will receive a Watson Consoles solution that supports your current and emerging technology, staffing and funding needs.

Meet the Team



CLIF MCKENZIE - CEO

After working as an accountant, Clif along with two other individuals bought Watson from Grahame Watson in 1990, then began running the business a year later upon realizing his passion for the industry. His deep respect for design and his love for manufacturing made Watson Consoles a name synonymous with innovation and superior function within the world of consoles furniture. His care for Watson extends to every member of the team, and every person who uses Watson products.



CK MCKENZIE - PRESIDENT

Watson is a family-owned business, and CK represents the transition to 2nd generation leadership. Having both grown up in the company and spent a decade as a Marine Corps Officer, CK is uniquely positioned to lead the team with a focus on meeting the needs of our customers through manufacturing excellence, robustly functional products, and a deep respect for the members of the community who work tirelessly at Watson Consoles every day.



QUINT ANDRAE – ENTERPRISE SOLUTIONS MANAGER

Quint joined the Watson team in 1994 as a Design Engineer and worked 18 years designing premier, ergonomic dispatch consoles. With his transition to the sales team, Watson clients have benefitted from his wealth of knowledge pertaining to project planning and console design. Quint's expertise on all aspects of console furnishing is unparalleled in the industry, ensuring that every stage of a Watson Consoles project is executed to exceed our clients' expectations.



JENNY ROBBINS – ACCOUNT MANAGER

With Watson since 2019, Jenny understands the importance of communication with the client regarding all aspects of the sales process and strives to deliver the best experience to the customer.

She recently wrapped up a huge project for BlackRock in their new HQ in Hudson Yards, NYC. 15 floors of custom product with custom power solutions. In her free time, she enjoys hiking in the beautiful Pacific Northwest with her husband and 5 year old son.

Meet the Team (Continued)



KEVIN GOJ – NATIONAL SALES MANAGER

Kevin leads Watson’s Console business unit, overseeing the growth and continued advancement of the industry-leading products and service Watson is known for. Kevin brings extensive expertise and capabilities to Watson after 32 years with Schlumberger Limited, the leading provider of technology and services to the worldwide energy industry. An engineer by education, his career allowed him to gain extensive global operations, sales, strategic marketing, and marketing communications management skillsets, now entirely focused on providing the best customer experience possible for our customers.



DICK BUSS – FACTORY SALES REPRESENTATIVE – DICK BUSS & ASSOCIATES

Dick’s sales experience spans seven decades as he began going on sales calls with his dad when he was three years old. In 1985 Dick formed Dick Buss & Associates; A manufacturer’s representative firm for the wireless communications market always striving to represent quality products and provide outstanding customer service. We are in our 20th year of representing Watson. During these years Watson has provided us with a product that is of the quality we want to represent. Our experienced sales staff along with our Watson certified technicians allow us to see your product through from start to finish to ensure that you have the best customer experience.



BRIAN HICKSON – CLIENT EXPERIENCE MANAGER

Brian joined Watson in 2006 as a project coordinator where he assisted the sales team with as many as 350 projects simultaneously, cultivating an in-depth understanding of every aspect of console project planning and implementation. He advanced to the role of Post Sales Manager and managed both internal and external installers and technicians before stepping into his current role of Client Experience Manager. Now Brian oversees all stages of installation and technical service questions and concerns and aims to deliver exceptional service to all Watson Consoles customers.



DYLAN ROGERS – SERVICE COORDINATOR

Dylan joined Watson in 2022 as a Field Operations Administrator for their consoles division. His experience is diverse, with him holding a degree in English, working on his Master’s in Creative Writing, and having just moved from NYC where he spent time as a teacher, working in a warehouse, managing a retail store, and watering plants. Dylan’s expertise is in communication, problem-solving, and flexibility. These traits help him ensure all customers are helped consistently and effectively.

The Watson Advantage

Watson Furniture Group was established in 1960 and later created a public safety division in 1986. This division was specifically designed for the demanding 24/7 public safety environment and developed the first height adjustable console. Going on 37 years of experience developing and manufacturing consoles you can rest assured that when you choose Watson Consoles furniture you are providing your emergency dispatchers and call takers with a console that supports and reflects the highest level of commitment to a job well done.

Knowing that your team has the right tools for the job is paramount to every seasoned dispatch communications team. After all, your team is the center point for mobilizing help when your neighbors need it. One of Jacksonville's tools is the console furniture you sit at every day. Watson Consoles designs consoles with your team in mind. A well-designed console helps keep your communicators organized and focused, and capably houses critical technology and ancillary equipment.

Our Consoles Are Tough

Our consoles are built to last. We have customers using the same consoles they purchased 20+ years ago with no complaints! Taking care of your consoles, along with our Lifetime +10 warranty will ensure your consoles last 15 years or longer.

Watson Understands Your Unique Needs

We have installed consoles in more than 3,000 Public Safety Answering Points across the United States, Canada and Internationally and have taken the time to understand distinctive power, technology, and space requirements. We know that specifying and buying furniture consoles can appear complicated and comes with a certain level of scrutiny. We strive to provide you with complete technical and pricing data so you can make an informed decision.

When buying furniture, Watson Consoles knows you are selecting an asset that:

- 1) gives your team the comfort control, space and flexibility to support 24/7 shift work,
- 2) provides your IT team and other technical experts with components that are easy to install, capable of handling new technology, and designed for convenient service access,
- 3) and comes with proof of performance and a guarantee that assures your community supporters that you use their tax money wisely.

Watson Consoles delivers the asset your center is looking for:

- We have evaluated your request and developed solutions that truly meet your day-to-day work and budget needs.
- Our furniture delivers the industry's most comprehensive array of features including a complete package of integrated user adjustable climate controls, multi-point adjustability to support anthropometric ergonomic and ADA standards, and easy technology access and cable management.
- We are committed to helping you understand the full power, technology and space planning capabilities of your consoles and keeping the positions in top operating condition over the lifetime of the product.
- Our consoles are built tough, tested to endure the rigors of a decade or more of 24/7 shift work and changing center needs.

We provide you with a proven asset and a dedicated project team that will give special attention to the details, engage in attentive communication, and conduct regular project follow-up with you and your project vendors for the lifetime of your product.

The Watson Advantage

Watson Solution Provides You With The Right Tool For The Job

Each person on your team has an interest in the performance of the console furniture. Watson Consoles' experience developing, manufacturing, installing and servicing technology furniture gives our teams repeat insight into how communication's teams work. We are design and manufacturing experts! We provide user interface features that are unparalleled in the industry. Here's how Watson Consoles delivers solutions to ease your team's pain points:

For your **Center Manager** and **Telecommunicators**:

- When dispatchers and call-takers are physically comfortable, they have better task focus.
 - Fully adjustable environmental controls including heating and air
 - Ambient and task lighting relieve eye strain
 - 3-point focal depth adjustment helps fine tune upper body ergonomics
 - Unencumbered space below the console surface provides plenty of legroom
 - Height-adjustable consoles promote health by allowing attuned ergonomics and anthropometric adjustment and body position change over the course of long shifts
- Comfortable console solutions also promote long-term stamina. Providing your team with the right equipment for the job helps promote lasting engagement, helping turn jobs into careers.
- Multiple options for screening and personal storage support either open sightlines or semi-private positioning.
- The industry's most expansive work zones mean:
 - Additional space for side-by-side training
 - Less call time lost to shuffling support tools, paperwork and equipment

For your **IT team** and **Support Vendors**:

- Monitor arrays can support the weight and width of multiple large monitors, including stacked monitor configurations.
- Expansive work zones and storage provide plenty of space to position radio equipment.
- Technology cabinets and console cavities are designed for easy access:
 - Reduce position down-time for simple service
 - Cooling systems maintain optimal operating temperatures
- Robust cable management raceways handle power and technology cable distribution with ease.
- Watson Consoles has reduced loose parts to mitigate loss and breakage during service calls.

For your **Organization's Leadership and Community** at Large:

- The durability of Watson Consoles furniture reduces the Total Cost of Ownership (TCO) and saves you thousands of dollars in replacement and service costs over the lifetime of the products.
- Providing your telecommunicators with the right tools and promoting good posture and wellness helps retain staff.
 - Reduce the cost burden of turn-over and temporary overtime

**Emergency Communications Dispatch Console
Furniture Proposal
Moberly Regional Joint Communications Center
Moberly, Missouri**

References



APPENDIX C – REFERENCES
THIS PAGE TO BE SUBMITTED WITH PROPOSAL RESPONSE

DISPATCH FUTNITURE PARAMETERS
Moberly Police Department

List of Reference Contacts

Customer Name Columbus-Platte County NE
Address 1304 BILL BABKA DRIVE COLUMBUS NE 68801
Telephone Number (402)942-5062
Contact Person and E-Mail Rachel Pensick <rachel.pensick@columbusne.us>
Type of System Four Mercury Pro Consoles
Date Completed 07/2019

Customer Name York County Communications Center
Address 510 North Lincoln Avenue York, Nebraska 68467
Telephone Number 402-362-4951
Contact Person and E-Mail Leila Luft <lluft@yorkcountyne.net>
Type of System Four Mercury Pro Consoles
Date Completed 10/2019

Customer Name North Kansas City Police Department
Address 2020 Howell St. North Kansas City, MO 64116
Telephone Number 816-412-7950
Contact Person and E-Mail Beth (Buffy) Buffington <blbuffington@nkc.org>
Type of System 3 Mercury Pro Consoles
Date Completed 02/2023

APPENDIX C – REFERENCES**THIS PAGE TO BE SUBMITTED WITH PROPOSAL RESPONSE****DISPATCH FUTURE PARAMETERS**

Moberly Police Department

List of Reference ContactsCustomer Name Newton County Central DispatchAddress 308 N. Jefferson St. Neosho, MO 64850Telephone Number 417-451-8291Contact Person and E-Mail Chancy Huntzinger <chuntzinger@nc-cdc.org>Type of System Mercury StandardDate Completed 03/2022Customer Name Platte County Sheriff's OfficeAddress 415 3rd Street, Platte City, MO 64079Telephone Number 816-858-3521Contact Person and E-Mail Tony Avery <Anthony.Avery@plattesherriff.org>Type of System Mercury StandardDate Completed 08/2022

**Emergency Communications Dispatch Console
Furniture Proposal**
Moberly Regional Joint Communications Center
Moberly, Missouri

Warranty



Watson Warranty- Superior Protection

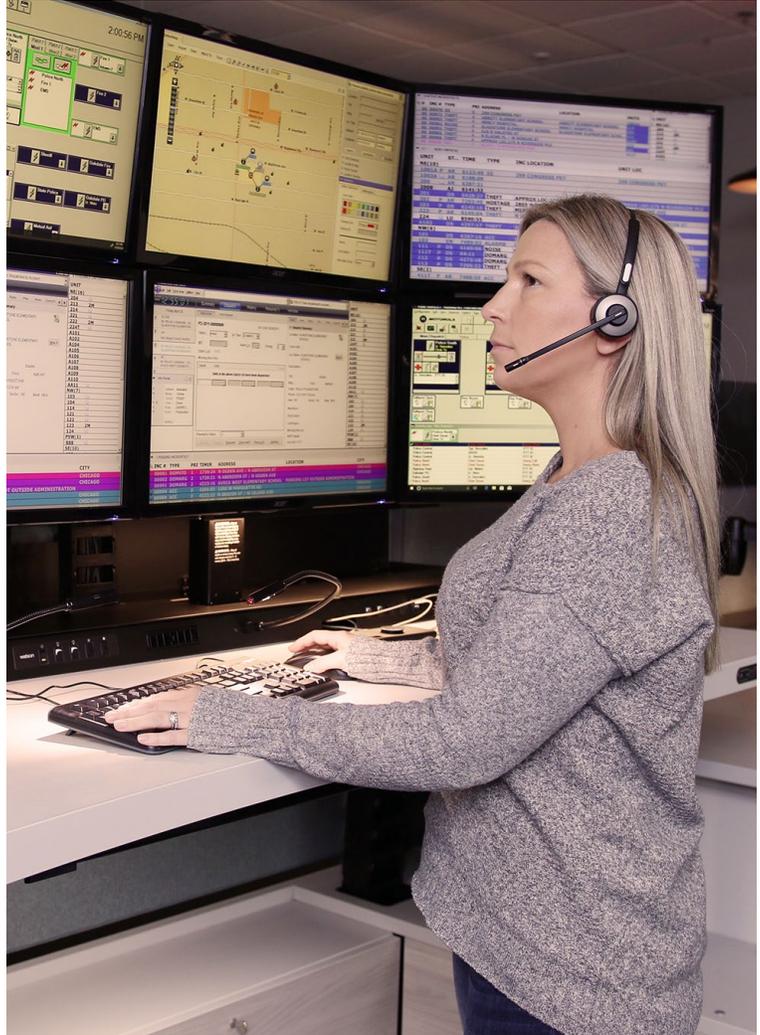


Support for a Lifetime:

We offer a lifetime warranty on all parts manufactured by Watson, at no additional cost to you with no subscription plans or fine print. If any Watson part fails at any time while installed with the original console purchaser, it's covered. This includes wood and metal parts such as work surfaces, cabinets, doors, and screens. We believe so strongly in our innovative wood and steel construction that we cover it for the lifetime of the product. Additionally, our extensive warranty includes freight and labor for the first five years.

Plus Ten Protection:

Our history in the consoles industry has yielded partnerships that no other manufacturer can equal. We stand behind our partners so strongly, that we extend our warranty to cover their parts as well for ten years. This protection includes electronics and buy-out parts such as lights, switches, lifting columns, and climate controls.



Choosing Watson Consoles protects the teams of today and tomorrow.



Warranty

MERCURY WARRANTY TERMS & CONDITIONS

WATSON MERCURY CONSOLES: Lifetime Plus 10 Warranty / Extended Warranty

We are proud of the products we make and the materials and processes we use to make them. That's why we back our Mercury Consoles with a Lifetime Warranty on all components manufactured by Watson and a 10-year warranty that covers the electronics and buy-out parts. In addition to the warranty coverage on the components, this standard warranty also cover labor and installation costs for the first 5 years on everything.

WARRANTY DETAILS

Watson Manufactured Parts: All components manufactured by Watson Consoles, if found defective under ordinary use, will be replaced at no charge for as long as the original purchaser owns the product. **Buy-Out or Electronic Parts:** All electronics and buy-out parts including, but not limited to, lifting & adjustment mechanisms, environment control appliances and switches, monitor arms, and task lighting, will be replaced at no additional charge for the first ten years of original ownership. **Labor:** Labor for the first 5 years on ALL Mercury components are covered under this warranty. This warranty does not apply to: failure to apply, install, reconfigure, or maintain products according to published Watson, or manufacturer, instructions and guidelines; normal wear and tear or defects resulting from neglect; consumable items such as light bulbs and batteries; Watson products that have undergone buyer modification or reconfiguration including the substitution of unauthorized non-Watson component(s) for use in the place of Watson components in an integrated product solution; products subjected to improper use or conditions including negligence, accident, or alterations; products damaged by AC power disturbances. This warranty is not transferable.

BUYER'S RESPONSIBILITY

The execution of this warranty requires the cooperation of the buyer with Watson Consoles. With guidance from the Watson Consoles' Customer Service team, the buyer agrees to perform basic troubleshooting tasks to determine the nature of the defect and to self-correct before Watson personnel will provide on-site assistance. If the issue requires on-site assistance from Watson personnel and the product failure or defect is found to have resulted from items outside the warranty coverage, the buyer agrees to reimburse Watson Consoles for applicable expenses resulting from the claim. Expenses include, but are not limited to product shipping, installation labor, transportation, and accommodations. Watson reserves the right to request that the damaged product be returned prior to granting a remedy. Repairs, substitute products or replacements of equal or higher value used to resolve a warranty claim will in no way extend the applicable warranty period applied to the original product. Watson cannot guarantee the availability of specific matching colors, grains, fabrics, or textures but will work with customer to find a reasonable substitute. Watson makes no other express or implied warranties to any product except as stated above and makes no warranty of Watson Consoles' product fitness except for use as standard communication console furniture.

Maintenance and Service

Our dedicated customer experience team is committed to supporting our products and clients for years to come, and with the same exceptional care we've embodied since day one.

In Your Corner Every Step of the Way

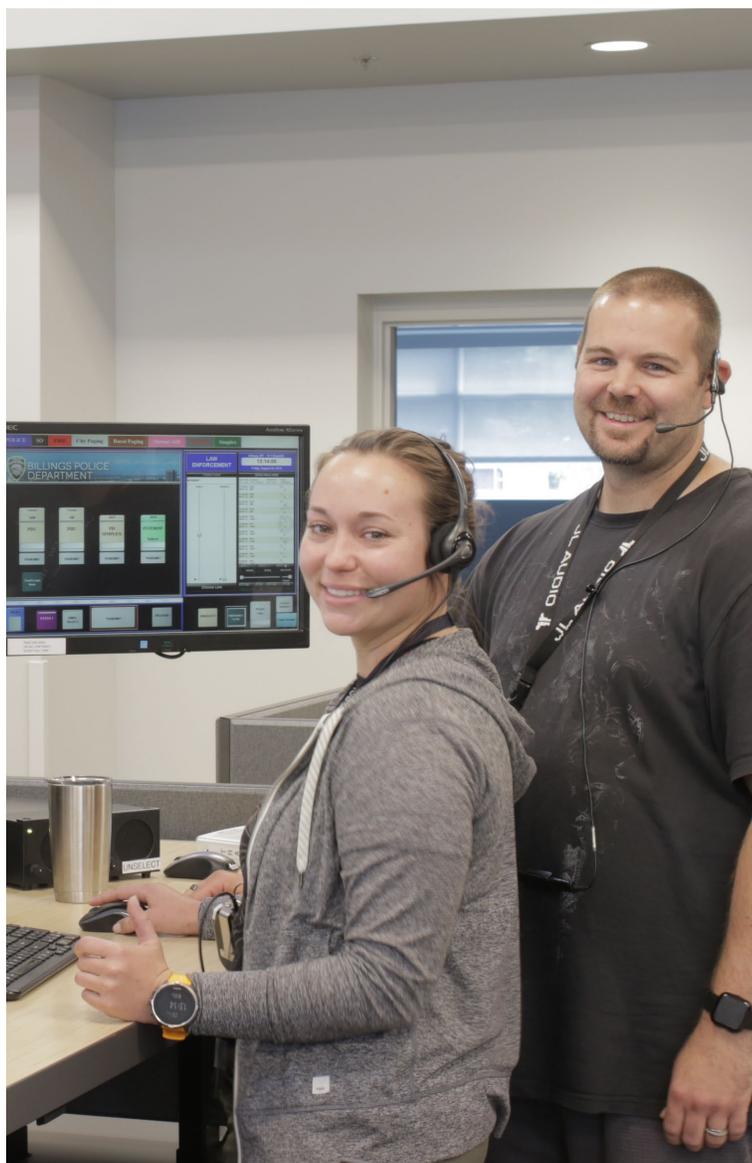
Our team has decades of experience solving the unique range of complex challenges 24/7 environments face. We offer premium support at every stage of the process. From space planning, to finish choices, to installation, our experts work closely with your project planning team to ensure we design a center tailored to your specific requirements and budget.

Non-Disruptive Installation

Mission critical teams work in 24/7 environments, which is why our project managers and installation experts are masters at orchestrating live cutovers. This means we never interfere with your everyday operations.

Keep Performance at Its Peak

The completion of your project is only the first stage of an ongoing relationship with Watson Consoles. Our support specialists work with you to ensure that all questions and concerns are addressed quickly and accurately. And with all Watson-manufactured components under warranty for the life of your console, you can rest assured our customer care team is at your disposal whenever you may need them.



Service Standards

Watson Consoles has built a highly responsive service process in which dedicated and experienced personnel nurture clients every step of the way, from original concepts to ongoing post-installation care. Due to the rigors of the emergency environment, we are committed to providing responses and resolutions to support these vital personnel. The difference is in the details and Watson Consoles is committed to our customers and their unique situation. With this in mind we have formed the following service responsibilities and expectations designed to meet and exceed our customer needs and expectations.

Service Terms and Conditions

In the event of an issue with Watson Consoles manufactured products and components covered under the warranty and found during the applicable Warranty Period, items will be repaired or replaced (at Watson's discretion) upon prompt notice from the original buyer. The customer may be asked to perform troubleshooting tasks before product repair or replacement will be provided. Service issues will be prioritized, and responses will be appropriate to the level of the issue.

Service Issue Priority Definitions

Watson Consoles technical service department will respond to all service issues via phone or email within 24 hours of customer contact. The purpose of this response is to evaluate the issue and work with the customer to identify the source through onsite troubleshooting tasks. If a matter is not resolved through customer troubleshooting, it will be assigned a priority level. The response and actions Watson takes will be based on an assessment of the impact of the reported technical concern on the customer's operations.

Accurately prioritizing your technical problem is critical to our mutual success. The following guidelines define the appropriate priority level assigned to the issue.

INITIAL EVALUATION - 24 hour response (weekends included)

When a service matter arises, please contact Watson Furniture Group 24/7 via the following email address: service@watsonfg.com.

A Watson service representative will respond within 24 hours of notification. The service team may be reached via telephone 360-394-1302 during the normal business hours of 7am through 5pm Monday through Friday (PST).

STANDARD PRIORITY - 4 week resolution (weekends excluded)

A standard issue does not affect the function of a console and is often only cosmetic. The console appearance is affected due to defect. These issues are resolved with a 2-week production time and ground shipping for necessary replacement parts.

URGENT PRIORITY - 2 week resolution (weekends excluded)

An urgent issue affects the functionality of a console but does not render it unusable. The resolution to these issues often includes expedited production time and expedited shipping of replacement parts.

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CRITICAL PRIORITY - 48 hour resolution (weekends excluded)

A critical issue results in the console being unusable and unmanned. If the nature of the issue requires replacement manufactured parts, Watson will expedite production and shipment in any possible way.

**Emergency Communications Dispatch Console
Furniture Proposal**
**Moberly Regional Joint Communications Center
Moberly, Missouri**

Additional Information



Mercury Storage



Mercury Storage is expertly designed to maximize any center's square footage, and works to increase free space for personal, technical, and equipment storage.

Stackable Storage

Create space between workers with storage that integrates with the console itself. Combine open, door, and drawer options to create a multi-functional area for each end-user.



Shared Storage

No space is wasted when aisle-side storage is incorporated into a layout. Build up from the hubs or disperse them throughout your control room.

Watson Central Storage



Watson Storage is specifically designed to supplement your center's storage needs and create multi-use areas for impromptu meetings and collaboration.

Lockers

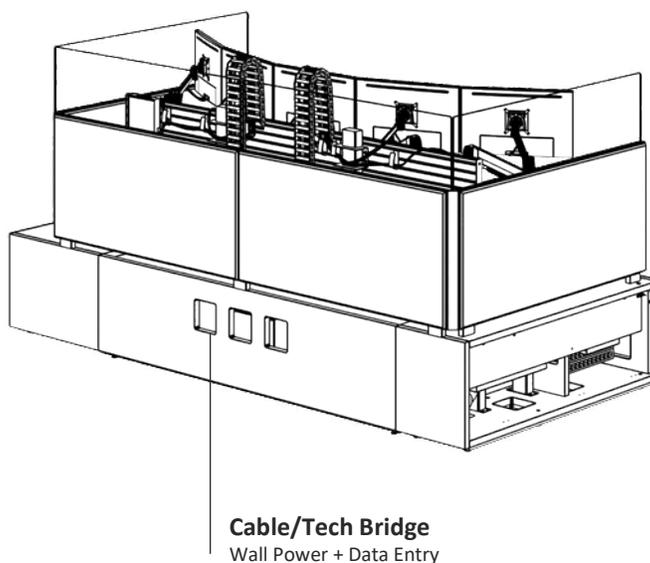
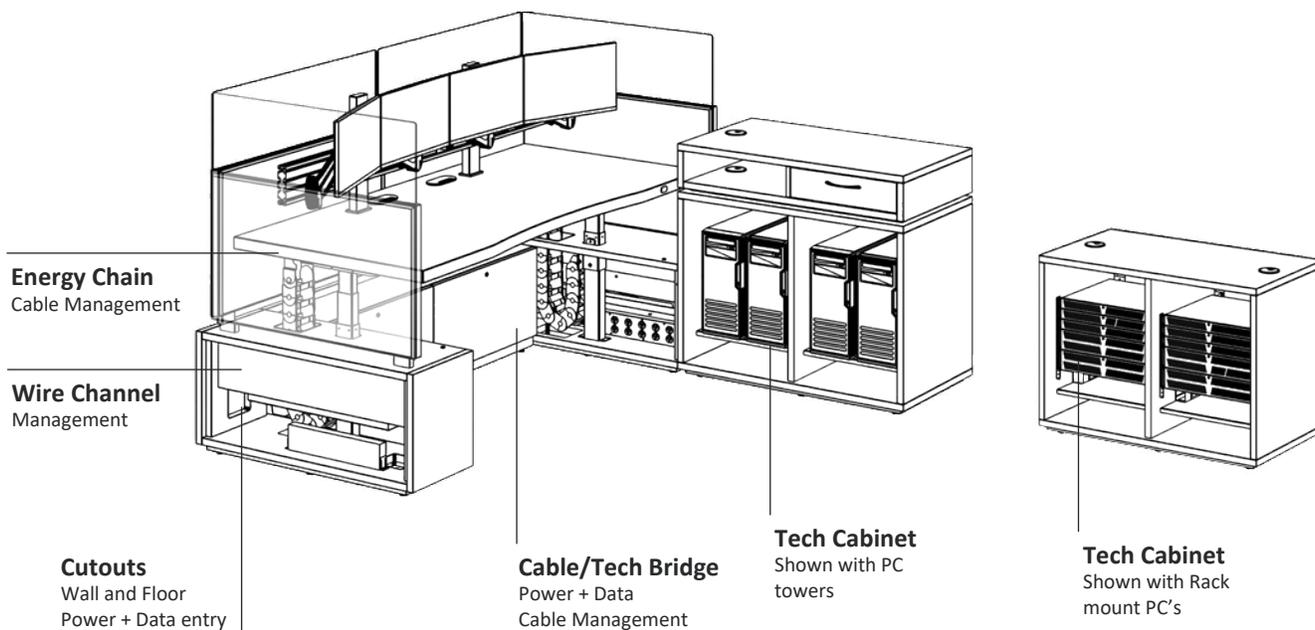
Making room for storage is easy with our personal gear lockers, which are available in many sizes, styles, and finishes. Create additional functionality by adding a mail slot to team lockers or add a four-inch riser for additional under-unit clearance.



Work Islands

A modular system that meets a multitude of needs simultaneously. With a wide range of applications, work islands are the perfect complement to our consoles.

Technology Location Typical



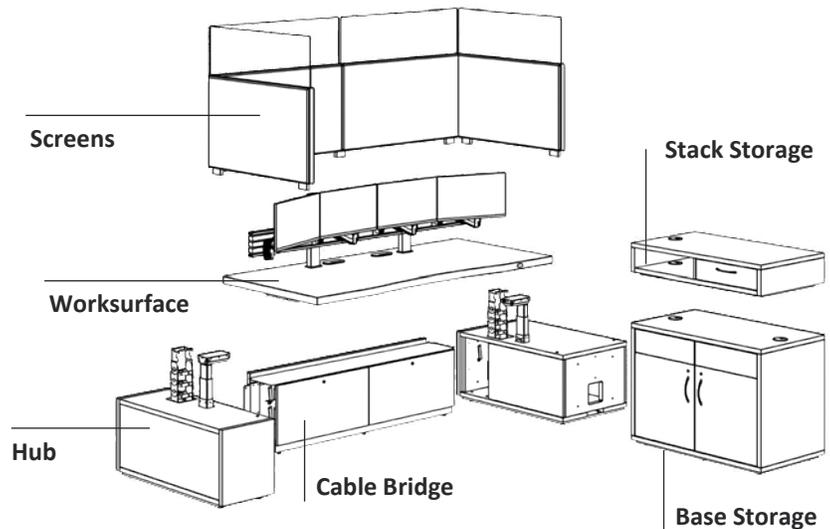
User Power Recommendation

Building Power Connection

Watson Consoles are connected either to NEMA 20R outlets located beneath the raised floor, on the wall, or by running conduit into the console and mounting junction boxes inside the console Hubs. There are dedicated cut-out locations in each console Hub and available mounting locations for junction boxes.

Lifting System

The console requires 120 VAC, 13.3A, 60Hz. The maximum weight capacity is 200 lbs which includes the monitors.



Total Console Power Requirements

Total system draw for a console with all environment and ergonomic features in simultaneous operation requires 13.3 amps at 120 VAC. This is a maximum draw for all components operating at full capacity. This includes the optional Environmental Control system which consumes 50-60 Hz at 120 VAC. Total Environmental Control System power draw during simultaneous operation at maximum load is 7 amps at 120 VAC.

Technology Storage Unit Power Requirements

The Technology Storage unit includes integrated cooling fans which will add to the Total Console Power draw. The number of fans vary by storage type and quantity and will be determined by the final furniture configuration. Each fan adds an additional 80mA, with total power draw of 360mA for the largest furnishing. Typical layout allows power connection to a PDU found in the adjacent Hub unit.

Cooling Fans

Electrical –
 12 VDC rated voltage
 285 mA rated current
 3.4 W rated power consumption
 -10-70°C operating temperature

Performance –
 2700 RPM rated speed
 97 CFM airflow
 40.5 dB(A) acoustic noise

Personal Heating

Electrical –
 120 VAC rated voltage
 400 W power consumption

Task Lighting

Electrical –
 12 VDC rated voltage
 135 mA rated current
 135 mA approx. draw

Ambient Lighting

Electrical –
 12 VDC rated voltage
 180 mA rated current
 2.16 W / 180 mA power consumption

Consoles Power Requirements

Building Power Connection

Each console requires a minimum of two dedicated 15A circuits. One for Watson Console functions and a minimum of one for connection of the Power Distribution Units (PDUs). Two PDUs per console are provided. The number of circuits will vary based on end user requirements.

Circuits

Minimum of 7 facility power outlets required (depends on number of circuits specified):

Watson Console Power Requirements:

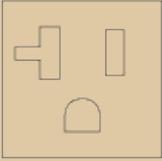
- 2 Outlets: Under surface PDU for Console lift legs and environmental controls (lights, fans, heater)
- 1 Outlet: In-Dash Power (if optioned/ordered)

Mission-Critical Equipment Power Requirements:

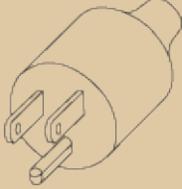
- 2 Outlets: Hub PDUs (12 outlets each)
- 2 Outlets: In-Dash Monitor power strips These cannot be plugged into the PDUs as this will not meet code (considered a daisy chain)

Both hub PDUs can be connected to a single circuit if the customer chooses. The number of circuits at the console is at the discretion of the customer.

Power Distribution Unit



Output -
 50/60 Hz compatibility
 Nominal output voltage
 100-122V nominal, single phase
 20A overload protection
 (10) NEMA 5-15R
 (10) NEMA 5-15R

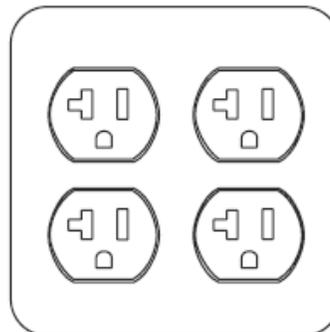


Input -
 PDU input voltage 120V AC
 15 amp maximum input
 NEMA 5-15P
 15 ft. input cord
 120 VAC compatibility

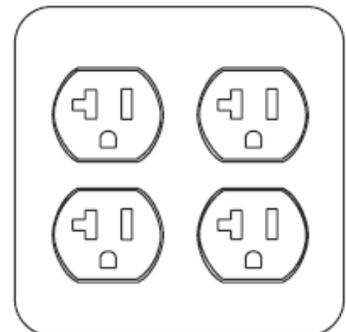
Special Features -
 TVSS grounding back panel nut
 and bolt grounding lug

5-20R DUPLEX / 20A/125V SINGLE PHASE

Circuit 1-
 Non-UPS Watson
 Console Power



Circuit 2-
 UPS Mission Critical
 Equipment Power



*This diagram represents the minimum requirements.

3142r1 HIGH BACK

The 3142 set the standard for 24/7 Intensive Use Chairs. The first chair to combine state of the art ergonomics with unmatched durability; the newly redesigned 3142r1 is raising the bar for 24/7 chairs, now offering quick-change slip covers.



— KEY — POINTS

ERGO AIR SUSPENSION SYSTEM™

Our Ergo Air Suspension (EAS²)™ dissipates the occupant's weight over the entire chair surface improving blood flow and increasing oxygen levels to tissues. Improved blood flow and increased oxygen levels improves concentration and productivity and decreases fatigue. EAS² conforms to the shape of each occupant, as it almost instantly bounces back to original shape when weight is lifted. No springs eliminates the chances of squeaky or flattened springs.

REPLACEABLE COVERS - Covers can wear, but our frames are virtually indestructible. Bring back that 'brand new' look in minutes even after years of 24/7 service. Covers are held on by hook-and-loop and can be replaced in a matter of minutes.

SAFETY CASTERS - Smooth dual wheel design with spring action not to roll away unless there is weight in the chair. Dual connection point eliminates rattle for a smooth roll.

ALL STEEL FRAME - Ten gauge steel maintains original tensile strength and rigidity over years of 24/7 heavy duty use.

ADJUSTABLE ARMRESTS - No tools required to adjust. You can choose style, width and height for customized comfort, security, and support. Swing arm style will swing out of the way from a seated position.

WARRANTY - The best warranty you'll never need. Chair is covered by a 6 year warranty that includes all normal wear and tear. Chair is covered by a 10 year warranty that includes all manufacturing defects in materials and/or workmanship. Weight limit is 550 lbs. in a multi-shift environment.

SEAT PAN DEPTH	19"
SEAT PAN WIDTH	20.5"
BACK HEIGHT - TO TOP OF CHAIR BACK	25"
BACK HEIGHT - TO TOP OF HEADREST	31"
ARM HEIGHT ADJUSTMENT RANGE	7 POSITIONS (3.5") OR INFINITE ADJUSTMENT
ARM WIDTH ADJUSTMENT RANGE	2.5" (22"-27")
PNEUMATIC CYLINDER SPECIFICATION	CERTIFIED TO 100,000 CYCLES 500 NEWTONS - DIN CLASS 4551-4
TILT CONTROL W/ TENSION ADJUSTMENT AND UPRIGHT POSITION LOCK	YES
UPRIGHT POSITION LOCK	YES
BASE SIZE DIAMETER AND CONFIGURATION	28" AND 7 LEG (TESTED TO 10,000 LB. DYNAMIC LOAD)
LUMBAR SUPPORT ADJUSTMENT	INFINITE ADJUSTMENT FROM SEATED POSITION
ARMREST CHOICES	C-LOOP OR OPTIONAL SWING ARMS OR FIXED
FRAME CONSTRUCTION	10 GAUGE STEEL
SEAT BOTTOM ASSEMBLY	ERGO AIR SUSPENSION (EAS ²)™
SEAT BACK ASSEMBLY	ERGO AIR SUSPENSION (EAS ²)™
CASTERS	SAFETY CASTER, DUAL CONNECTION POINT 165 LB./CASTER - OPTIONAL 75mm, GLIDES OR ESD CASTERS
COVER MATERIALS	STACCATO OR OPTIONAL LEATHER AND ALTERNATIVE LEATHER
REPLACEABLE COVERS	YES
TEST STANDARDS	30% HIGHER: GSA FNEW83-269A and ANSI/BIFMA X5.11 STANDARD TEST: ANSI/BIFMA and FIRA 055:2005
WARRANTY	6 YEAR 24/7 INTENSIVE USE WARRANTY - INCLUDES NORMAL WEAR AND TEAR - 10 YEAR ON FRAME
ADJUSTABLE NECK ROLL	CLOTH OR LEATHER
EMBROIDERY	CUSTOM EMBROIDERY AVAILABLE

City of Moberly City Council Agenda Summary

Agenda Number: _____

WS #3.

Department: Community Development
Date: May 1, 2023

Agenda Item: An application for re-zoning Lots 10 and 11, Block 9 of Williams 2nd Addition (400 block of N 4th Street) from a B-3 (General Commercial District) to an R-3/PD (Multi-family Dwelling District/Planned Development).

Summary: The proposed site is located at 400 block of N 4th St. The property to the west is zoned R-3 (Multi-family Dwelling District), to the north by M-1 (Industrial District) and to the east by B-3 (General Commercial District).

The Planning & Zoning Commission recommended approval for the request of the rezoning.

Recommended Action: Bring forward to the regular City Council meeting on May 15, 2023 for final approval.

Fund Name: N/A

Account Number: N/A

Available Budget \$: N/A

ATTACHMENTS:		Roll Call	Aye	Nay
<input type="checkbox"/> Memo	<input type="checkbox"/> Council Minutes	Mayor		
<input type="checkbox"/> Staff Report	<input type="checkbox"/> Proposed Ordinance	M__ S__ Brubaker	___	___
<input type="checkbox"/> Correspondence	<input type="checkbox"/> Proposed Resolution			
<input type="checkbox"/> Bid Tabulation	<input type="checkbox"/> Attorney's Report	Council Member		
<input type="checkbox"/> P/C Recommendation	<input type="checkbox"/> Petition	M__ S__ Lucas	___	___
<input type="checkbox"/> P/C Minutes	<input type="checkbox"/> Contract	M__ S__ Kimmons	___	___
<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Budget Amendment	M__ S__ Jeffrey	___	___
<input type="checkbox"/> Citizen	<input type="checkbox"/> Legal Notice	M__ S__ Kyser	___	___
<input type="checkbox"/> Consultant Report	<input type="checkbox"/> Other _____		Passed	Failed

City of *Moberly!*

Memorandum

To: *Planning and Zoning Commission*

From: *Planning Staff*

Subject: *Preliminary Development Plat (Agenda Items 3)*

Meeting: *April 24, 2023*

Public Hearing to consider:

Notice of Public Hearing for a Preliminary Development Plat and Planned Development submitted by Nate Kohl on behalf of Tony Stuart for a re-platting of property lines in the 400 block of N 5th St and 400 block of N 4th St.

Comments:

The properties involved in the Preliminary Development Plat and Planned Development are 402 N 5th St through 412 N 5th St and the adjacent lot that is at the corner of Franklin St and N 5th St. This application also considers the lot at N 4th St and Franklin St that was previously a Sub Station for Ameren UE. The existing platted lots that are impacted by this application include Lots 10, 11, 18, 19, 20, 21, and 22 of Block 9 of Williams 2nd Addition.

Lots 10 and 11 face 4th Street and are currently zoned as B-3 General Commercial District and require Re-zoning as part of the re-platting process to conform to the requested base zoning requirements of R-3 Multifamily Residential for the proposed use.

Lots 18, 19, 20, 21, and 22 face 5th Street and were recently re-zoned by City of Moberly to R-3 Multifamily Residential District to promote and seek development of Multifamily Residential Development adjacent to the Downtown District. These will require re-zoning and re-platting to meet the proposed layout and setbacks for the intended use.

R-3 Residential District Standards can be found in our Zoning Regulations in Chapter 46-81. The zoning standards of the R-3 District allow for Single Family, Two Family, and Multi-family structures; each of which have slightly different requirements for setbacks, livable square footage, etc.

The proposed application is a re-platting and re-zoning application for the existing lots of Williams 2nd Addition that are mentioned above.

City Staff Review:

City Staff has reviewed the application and the code sections that apply. The existing proposed design for the re-plat and re-zoning of the lots is requesting to change the existing 5 lots on N 5th Street to become 7 lots on N 5th St. The 2 existing lots on N 4th Street will remain as 2 lots but shift property lines to accommodate the planned

development single family homes proposed for the area. The proposed layout is to build 9 Single Family Homes in the area for rental or resale use.

The Zoning Standards for Single Family Homes in the R-3 Multifamily Zoning District includes a minimum lot size of 6,000 sq ft with 60 ft of frontage. The proposed development will create lots with roughly 4400 sq ft of lot size (5200 sq ft on corners) and 37 ft of frontage. The landscaping ordinance and zoning standards for this district also allow for up to 50% coverage of impervious surface and structures on the lots, the proposed development includes 60% impervious surfaces.

After reviewing the proposed planned development requests, the developer is requesting a reduction in lot square footage from 6,000 sq ft to 4400 sq ft, a reduction in lot frontage from 60 ft to 37 ft, and an increase in lot coverage from 50% to 60%.

The development shows an increase in additional visitor parking in addition to the garages on the north side for additional (13 spaces) parking. Also, existing infrastructure in the form of streets, water, sewer, electrical, fire hydrants, and lighting are already in place for these lots. There are not intended to be any additional construction plans to submit for infrastructure development following this proposed platting / planned development.

City Staff recommends that if there are no additional changes or recommendations by the Planning and Zoning Commission, that they forward the Plat/Planned Development applications to City Council with consideration as a Final Plat as there is no infrastructure development to occur that would require dedication to City of Moberly.

Preliminary Development Plan/ Planned Developments/ Re-zoning applications do require additional approval by the City Council for acceptance in Moberly, MO.

Respectfully Submitted Aaron Decker

CITY OF MOBERLY, MISSOURI
REZONING APPLICATION

Return Form to:
Zoning Administrator
City of Moberly
101 West Reed Street
Moberly, MO 65270-1551
(660) 263-4420
(660) 263-9398 (fax)

For Office Use Only

Deposit: _____
Date Advertised: _____
Date Notices Sent: _____
Public Hearing Date: _____

APPLICANT INFORMATION:

Applicant: Tony Stuart Phone: 573-819-3643
Address: 846 C.R. 2650 Clark MO 65243 Zip: _____
Owner: Tony Stuart / City of Moberly Phone: _____
Address: ~~Clark~~ Zip: _____

PROPERTY INFORMATION:

Street Address or General Location of Property: North 5th & Franklin
Property is Located In (Legal Description): Lots 10, 11, 19, 20, 21, 22, Block 9, Williams
Second Addition to the City of Moberly

Present Zoning R-3 Requested Zoning: R-3 PD Acreage: 37,195 sq ft

Present Use of Property: Vacant

Character of the Neighborhood: Churches about - but struggling

SURROUNDING LAND USE AND ZONING:

	<u>Land Use</u>	<u>Zoning</u>
North	America	
South	2nd Baptist	
East	Parking Lot	
West	Church AME/Residence	

RELATIONSHIP TO EXISTING ZONING PATTERN:

1. Would the proposed change create a small, isolated district unrelated to surrounding districts?
Yes ___ No X
If yes, explain: _____
2. Are there substantial reasons why the property cannot be used in accordance with existing zoning?
Yes X No ___
If yes, explain: Housing Arrangement.

CONFORMANCE WITH COMPREHENSIVE PLAN:

1. Is the proposed change consistent with the goals, objectives and policies set forth in the Comprehensive Plan?
Yes X No ___
2. Is the proposed change consistent with the Future Land Use Map?
Yes X No ___

TRAFFIC CONDITIONS:

1. Identify the street(s) with access to the property: 5th Street, Franklin
4th Street, Alley
2. Identify the classification of those street(s) as Arterial, Collector or Local and each Right-of-Way width:

Street Name	Classification	Right-of-Way Width
5th	Local	40'
Franklin	Collector	60 - 90 ? Varies
4th	Local	60'

3. Will turning movements caused by the proposed use create an undue traffic hazard?
Yes ___ No X

IS PLATTING OR REPLATTING REQUIRED TO PROVIDE FOR:

- 1. Appropriately Sized Lots? Yes X No
- 2. Properly Sized Street Right-of-Way? Yes No X
- 3. Drainage Easements? Yes No X
- 4. Utility Easements:
 - Electricity? Yes No X
 - Gas? Yes No X
 - Sewers? Yes No X
 - Water? Yes No X
- 5. Additional Comments: _____

UNIQUE CHARACTERISTICS OF PROPERTY AND ADDITIONAL COMMENTS:

This is the Director of Public Works vision
of bringing new life to downtown.
J.J

THE FOLLOWING MUST ACCOMPANY YOUR APPLICATION:

- 1. One copy of a legal description of the property proposed to be rezoned.
- 2. One copy of a statement describing the impact of the proposed change, including any traffic conditions that may result; any danger from fire hazards; how the proposed change may affect the character of the surrounding properties; and how the proposed change will benefit the City of Moberly.
- 3. Certified list of property owners within:
 - A. 185 feet of the property if the proposed PD is located within the city's municipal boundaries;
 - B. 1,000 feet of the property if the proposed PD is adjacent to the city's corporate limits.
- 4. If the proposed zoning requires a special use permit, the rezoning application shall be accompanied by a special use permit application defining the specifically requested use or list of uses.

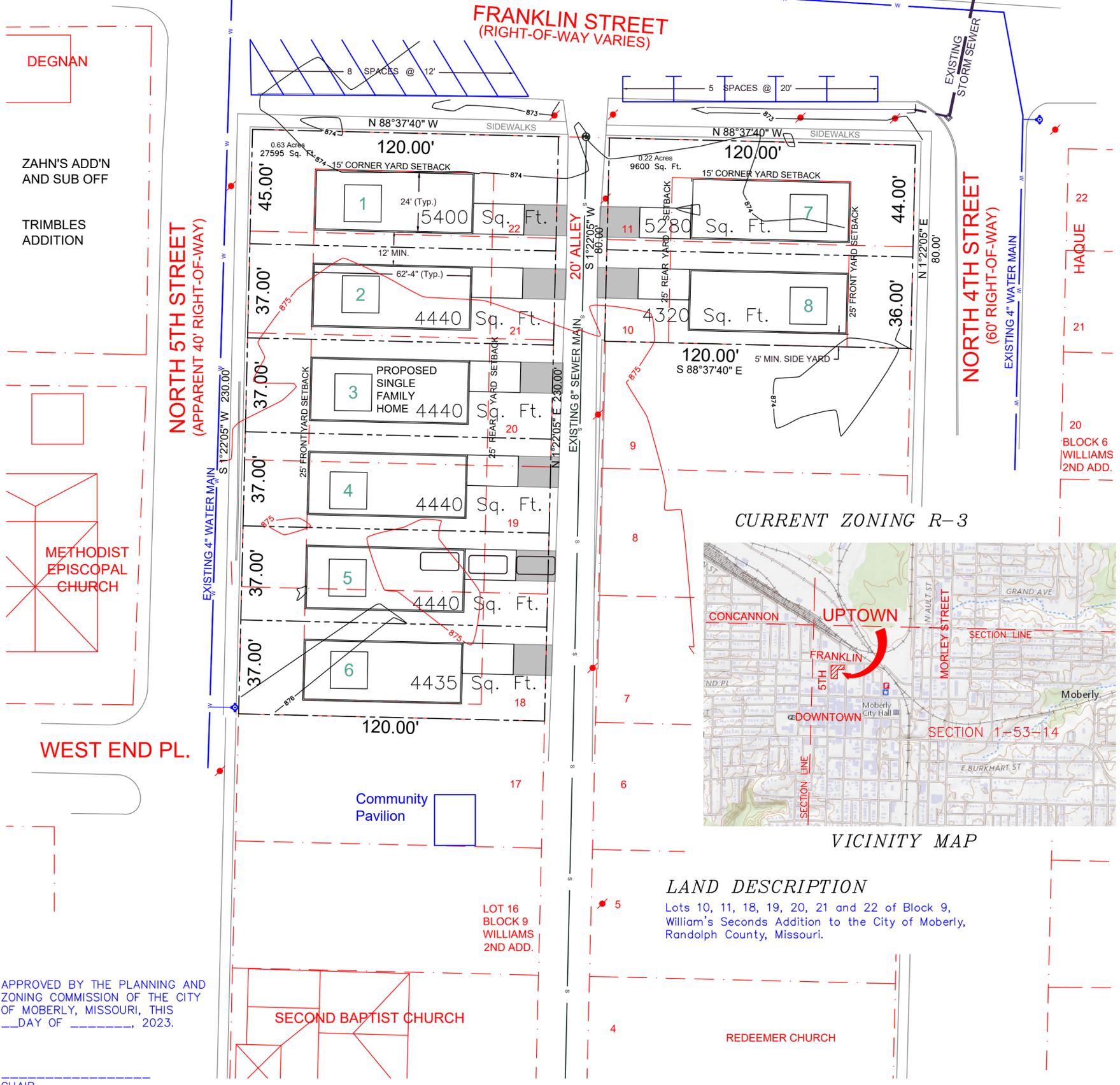
[Signature]
Applicant's Signature

3-31-23
Date

MARCH 30, 2023

UPTOWN HOMES

PRELIMINARY PLAT
PRELIMINARY / FINAL DEVELOPMENT PLAN



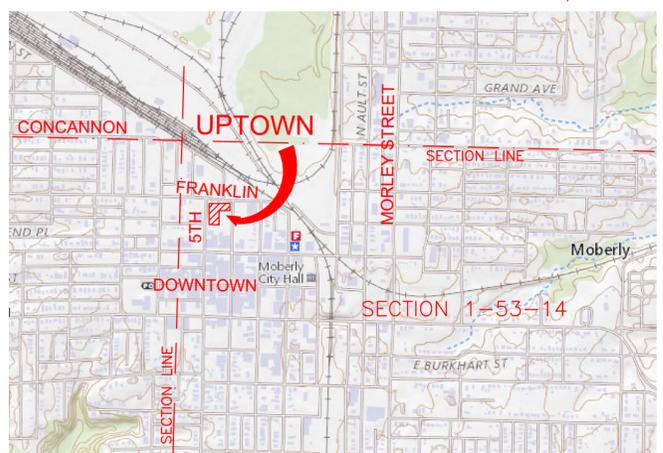
LEGEND

- 1 PROPOSED LOT/UNIT NUMBER
- 100.00' LOT DIMENSION
- PROPOSED LOT LINE
- - - BUILDING SETBACK LINE
- - - UTILITY EASEMENT
- - - PLATTED LOT LINE
- - - SANITARY SEWER LINE
- - - WATER MAIN
- - - STORM SEWER LINE
- DRAINAGE AREA BOUNDARY
- - - ELECTRIC LINE
- - - GAS MAIN
- ⊕ SEWER MANHOLE
- ⊕ FIRE HYDRANT
- ⊕ CURB INLET
- ⊕ STREET LIGHT
- ⊕ ELECTRIC/UTILITY POLE
- 🌿 PROPOSED PLANTINGS



SCALE 1" = 30'

CURRENT ZONING R-3



VICINITY MAP

LAND DESCRIPTION

Lots 10, 11, 18, 19, 20, 21 and 22 of Block 9, William's Seconds Addition to the City of Moberly, Randolph County, Missouri.

PROPOSED DEVELOPMENT SUMMARY

THIS PRELIMINARY PLAT/PLAN REPRESENTS A NEW APPROACH TO MOBERLY UPTOWN LIVING. EIGHT SINGLE FAMILY HOMES ARE SHOWN IN A PART OF TOWN THAT HAS BECOME VACANT LOTS, UNWANTED AND LEFT TO THE CITY TO CLEANUP AND MAINTAIN. THE PROPOSED PLANNED UNIT DEVELOPMENT IS A TRUE PUBLIC-PRIVATE PARTNERSHIP EFFORT TO BRING LIFE BACK TO THIS PART OF TOWN. CONVENIENT TO DOWNTOWN SHOPPING, AND CHURCHES, THE COOPERATION OF THE LOCAL COMMUNITY TO PARTNER IN POTENTIAL AMENITIES SUCH AS THE PAVILION SHOWN AND OTHER TEMPORARY USES OF A MOSTLY UNUSED CITY PARKING LOT CAN HELP TO FOSTER A SPIRIT OF RE-DEVELOPMENT AND COMMUNITY RENEWAL. THE HOUSING UNITS SHOWN ARE 1400 SQ. FEET INCLUDING THE SINGLE CAR GARAGE SPACE WITH REAR ALLEY ACCESS CREATING NICE FRONT CURB APPEAL. ALL CITY SERVICES ARE IN PLACE AT THIS LOCATION, PROVIDING WATER, SANITARY, AND STORM SEWERS. ELECTRICAL LINES AND GAS MAINS ALREADY SERVE THE PROPERTY. AMPLE PARKING IS PROVIDED BOTH ON EACH LOT WITH 3 POTENTIAL SPACES (SEE LOT 5) AND THE ON-STREET PARKING SHOWN. GREEN SPACE AND OPEN AREA LIES ALL AROUND THE UNITS THAT ARE INTENDED FOR LEASE OR SALE TO NEW RESIDENTS IN UPTOWN MOBERLY.

THIS PRELIMINARY PLAT WAS PREPARED BY ME AND APPROXIMATELY REPRESENTS THE SUBJECT TRACT. IT IS NOT, HOWEVER, A BOUNDARY SURVEY AND IS ONLY INTENDED AS A PLANNING DOCUMENT TO PORTRAY THE DEVELOPERS INTENTIONS. THIS DOCUMENT SHALL NOT BE USED TO CONVEY LAND IN ANY WAY AND MUST BE SUPERSEDED BY AN ACCURATE FINAL PLAT(S) BASED ON A COMPLETE BOUNDARY SURVEY.

DENSITY ANALYSIS

AREA OF DEVELOPMENT DISTRICT = 37,195 SQ. FT.
DENSITY = 4650 SQ. FT./ UNIT (R-3 MIN. 2500/UNIT)
TOTAL BUILDING AREA = 11,968 SQ. FT.
ON-SITE PARKING AREAS = 3160 SQ. FT.
TOTAL PERVIOUS SURFACE = 15,128 SQ. FT.
REMAINING IMPERVIOUS AREA = 22,067 SQ. FT.
PERCENT IMPERVIOUS AREA = 60%

APPROVED BY THE PLANNING AND ZONING COMMISSION OF THE CITY OF MOBERLY, MISSOURI, THIS DAY OF _____, 2023.

CHAIR

OWNER: CITY OF MOBERLY
101 WEST REED STREET
MOBERLY, MO 65270

SUBVIDER/DEVELOPER: TONY STUART
846 COUNTY ROAD 2650
CLARK, MO 65243

NATHANAEL E. KOHL
PROFESSIONAL LAND SURVEYOR
LS #2615



MARCH 30, 2023	NEK
Preliminary Plat/Development Plan UPTOWN HOMES MOBERLY, MO	
NATHANAEL SURVEYS & DESIGNS 1080 STATE ROUTE Y HARRISBURG, MO 65256 (573) 499-1241 E-MAIL NatesNew@AOL.COM	
220856	SHT. 1 of 1

Moberly, MO



Legend

- Roads
- Corporate Limit
- Parcel
- Original Lot
- Stream
- Subdivision
- Lots
- South Ridge Lot Line
- City Easement
- Zoning
 - B-1
 - B-2/H
 - B-3
 - B-3(PD)
 - M-1
 - M-P
 - N-1
 - R-1
 - R-1(PD)
 - R-2
 - R-2(PD)
 - R-3
 - R-3(PD)

Notes

WS #3.



1 in. = 140ft.



This Cadastral Map is for informational purposes only. It does not purport to represent a property boundary survey of the parcels shown and shall not be used for conveyances or the establishment of property boundaries.
THIS MAP IS NOT TO BE USED FOR NAVIGATION

CITY OF MOBERLY, MISSOURI
RE-ZONING PERMIT
REASONS FOR DETERMINATION

Submit Questions To:
Zoning Administrator
City of Moberly
101 West Reed Street
Moberly, MO 65270-1551
(660) 263-4420
(660) 263-9398 (fax)

For Office Use Only:

Date of Action: April 24, 2023

Action: APPROVAL

ON April 24, 20 23, THE CITY OF MOBERLY PLANNING AND ZONING COMMISSION AT ITS REGULAR MEETING, RECOMMENDED APPROVAL (ACTION: APPROVAL, CONDITIONAL APPROVAL, DENIAL) OF A RE-ZONING REQUEST FROM A(N) R-3 TO A (N) R-3/PD (ZONE) TO BE LOCATED 400 BLOCK OF NORTH 5TH STREET, MOBERLY, MISSOURI. (ADDRESS OR LOCATION).

THE CITY COUNCIL WILL CONSIDER THE RECOMMENDATION OF THE PLANNING AND ZONING COMMISSION AT THE MAY 1, 20 23 MEETING OF THE MOBERLY CITY COUNCIL.

IN RECOMMENDING APPROVAL (ACTION) OF THIS RE-ZONING REQUEST, THE PLANNING AND ZONING COMMISSION CONSIDERED ALL STANDARDS LISTED IN THE ZONING REGULATION, AND ALL OTHER CONDITIONS LISTED FOR THAT USE IN OTHER SECTIONS OF THESE REGULATIONS. IN ADDITION, THE PLANNING AND ZONING COMMISSION FOUND THAT THE PROPOSED USE DID (DID/DID NOT) PROVIDE SAFEGUARDS TO ASSURE ITS COMPATIBILITY WITH THE SURROUNDING AREA.

CONDITIONS (IF ANY): _____


CHAIRPERSON


ZONING ADMINISTRATOR

City of Moberly City Council Agenda Summary

Agenda Number: _____ WS #4.

Department: Community Development

Date: May 1, 2023

Agenda Item: An application for re-zoning Lots 18, 19, 20, 21, and 22, Block 9 of Williams 2nd Addition (400 block of N 5th Street) from a R-3 (Multi-family Dwelling District) to an R-3/PD (Multi-family Dwelling District/Planned Development).

Summary: The proposed site is located in the 400 Block of N 5th St. The property surrounded to the north by M-1 (Industrial District).

The Planning & Zoning Commission recommended approval for the request of the rezoning.

Recommended Action: Bring forward to the regular City Council meeting on May 15, 2023 for final approval.

Fund Name: N/A

Account Number: N/A

Available Budget \$: N/A

ATTACHMENTS:		Roll Call	Aye	Nay
<input type="checkbox"/> Memo	<input type="checkbox"/> Council Minutes	Mayor		
<input type="checkbox"/> Staff Report	<input type="checkbox"/> Proposed Ordinance	M___ S___ Brubaker	___	___
<input type="checkbox"/> Correspondence	<input type="checkbox"/> Proposed Resolution	Council Member		
<input type="checkbox"/> Bid Tabulation	<input type="checkbox"/> Attorney's Report	M___ S___ Lucas	___	___
<input type="checkbox"/> P/C Recommendation	<input type="checkbox"/> Petition	M___ S___ Kimmons	___	___
<input type="checkbox"/> P/C Minutes	<input type="checkbox"/> Contract	M___ S___ Jeffrey	___	___
<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Budget Amendment	M___ S___ Kyser	___	___
<input type="checkbox"/> Citizen	<input type="checkbox"/> Legal Notice			
<input type="checkbox"/> Consultant Report	<input type="checkbox"/> Other _____		Passed	Failed

City of *Moberly!*

Memorandum

To: *Planning and Zoning Commission*

From: *Planning Staff*

Subject: *Preliminary Development Plat (Agenda Items 3)*

Meeting: *April 24, 2023*

Public Hearing to consider:

Notice of Public Hearing for a Preliminary Development Plat and Planned Development submitted by Nate Kohl on behalf of Tony Stuart for a re-platting of property lines in the 400 block of N 5th St and 400 block of N 4th St.

Comments:

The properties involved in the Preliminary Development Plat and Planned Development are 402 N 5th St through 412 N 5th St and the adjacent lot that is at the corner of Franklin St and N 5th St. This application also considers the lot at N 4th St and Franklin St that was previously a Sub Station for Ameren UE. The existing platted lots that are impacted by this application include Lots 10, 11, 18, 19, 20, 21, and 22 of Block 9 of Williams 2nd Addition.

Lots 10 and 11 face 4th Street and are currently zoned as B-3 General Commercial District and require Re-zoning as part of the re-platting process to conform to the requested base zoning requirements of R-3 Multifamily Residential for the proposed use.

Lots 18, 19, 20, 21, and 22 face 5th Street and were recently re-zoned by City of Moberly to R-3 Multifamily Residential District to promote and seek development of Multifamily Residential Development adjacent to the Downtown District. These will require re-zoning and re-platting to meet the proposed layout and setbacks for the intended use.

R-3 Residential District Standards can be found in our Zoning Regulations in Chapter 46-81. The zoning standards of the R-3 District allow for Single Family, Two Family, and Multi-family structures; each of which have slightly different requirements for setbacks, livable square footage, etc.

The proposed application is a re-platting and re-zoning application for the existing lots of Williams 2nd Addition that are mentioned above.

City Staff Review:

City Staff has reviewed the application and the code sections that apply. The existing proposed design for the re-plat and re-zoning of the lots is requesting to change the existing 5 lots on N 5th Street to become 7 lots on N 5th St. The 2 existing lots on N 4th Street will remain as 2 lots but shift property lines to accommodate the planned

development single family homes proposed for the area. The proposed layout is to build 9 Single Family Homes in the area for rental or resale use.

The Zoning Standards for Single Family Homes in the R-3 Multifamily Zoning District includes a minimum lot size of 6,000 sq ft with 60 ft of frontage. The proposed development will create lots with roughly 4400 sq ft of lot size (5200 sq ft on corners) and 37 ft of frontage. The landscaping ordinance and zoning standards for this district also allow for up to 50% coverage of impervious surface and structures on the lots, the proposed development includes 60% impervious surfaces.

After reviewing the proposed planned development requests, the developer is requesting a reduction in lot square footage from 6,000 sq ft to 4400 sq ft, a reduction in lot frontage from 60 ft to 37 ft, and an increase in lot coverage from 50% to 60%.

The development shows an increase in additional visitor parking in addition to the garages on the north side for additional (13 spaces) parking. Also, existing infrastructure in the form of streets, water, sewer, electrical, fire hydrants, and lighting are already in place for these lots. There are not intended to be any additional construction plans to submit for infrastructure development following this proposed platting / planned development.

City Staff recommends that if there are no additional changes or recommendations by the Planning and Zoning Commission, that they forward the Plat/Planned Development applications to City Council with consideration as a Final Plat as there is no infrastructure development to occur that would require dedication to City of Moberly.

Preliminary Development Plan/ Planned Developments/ Re-zoning applications do require additional approval by the City Council for acceptance in Moberly, MO.

Respectfully Submitted Aaron Decker

CITY OF MOBERLY, MISSOURI
REZONING APPLICATION

Return Form to:
Zoning Administrator
City of Moberly
101 West Reed Street
Moberly, MO 65270-1551
(660) 263-4420
(660) 263-9398 (fax)

For Office Use Only

Deposit: _____
Date Advertised: _____
Date Notices Sent: _____
Public Hearing Date: _____

APPLICANT INFORMATION:

Applicant: Tony Stuart Phone: 573-819-3643
Address: 846 C.R. 2650 Clark MO 65243 Zip: _____
Owner: Tony Stuart / City of Moberly Phone: _____
Address: ~~Clark~~ Zip: _____

PROPERTY INFORMATION:

Street Address or General Location of Property: North 5th & Franklin
Property is Located In (Legal Description): Lots 10, 11, 19, 20, 21, 22, Block 9, Williams
Second Addition to the City of Moberly

Present Zoning R-3 Requested Zoning: R-3 PD Acreage: 37,195 sq ft

Present Use of Property: Vacant

Character of the Neighborhood: Churches about - but struggling

SURROUNDING LAND USE AND ZONING:

	<u>Land Use</u>	<u>Zoning</u>
North	American	
South	2 ND Baptist	
East	Parking Lot	
West	Church AME/Residence	

RELATIONSHIP TO EXISTING ZONING PATTERN:

1. Would the proposed change create a small, isolated district unrelated to surrounding districts?
 Yes ___ No X

If yes, explain: _____

2. Are there substantial reasons why the property cannot be used in accordance with existing zoning?
 Yes X No ___

If yes, explain: Housing Arrangement.

CONFORMANCE WITH COMPREHENSIVE PLAN:

1. Is the proposed change consistent with the goals, objectives and policies set forth in the Comprehensive Plan?

Yes X No ___

2. Is the proposed change consistent with the Future Land Use Map?

Yes X No ___

TRAFFIC CONDITIONS:

1. Identify the street(s) with access to the property: 5th Street, Franklin
4th Street, Alley

2. Identify the classification of those street(s) as Arterial, Collector or Local and each Right-of-Way width:

Street Name	Classification	Right-of-Way Width
<u>5th</u>	<u>Local</u>	<u>40'</u>
<u>Franklin</u>	<u>Collector</u>	<u>60 - 90 ? Varies</u>
<u>4th</u>	<u>Local</u>	<u>60'</u>

3. Will turning movements caused by the proposed use create an undue traffic hazard?
 Yes ___ No X

IS PLATTING OR REPLATTING REQUIRED TO PROVIDE FOR:

- 1. Appropriately Sized Lots? Yes X No
- 2. Properly Sized Street Right-of-Way? Yes No X
- 3. Drainage Easements? Yes No X
- 4. Utility Easements:
 - Electricity? Yes No X
 - Gas? Yes No X
 - Sewers? Yes No X
 - Water? Yes No X
- 5. Additional Comments: _____

UNIQUE CHARACTERISTICS OF PROPERTY AND ADDITIONAL COMMENTS:

This is the Director of Public Works vision
of bringing new life to downtown.
J.J

THE FOLLOWING MUST ACCOMPANY YOUR APPLICATION:

- 1. One copy of a legal description of the property proposed to be rezoned.
- 2. One copy of a statement describing the impact of the proposed change, including any traffic conditions that may result; any danger from fire hazards; how the proposed change may affect the character of the surrounding properties; and how the proposed change will benefit the City of Moberly.
- 3. Certified list of property owners within:
 - A. 185 feet of the property if the proposed PD is located within the city's municipal boundaries;
 - B. 1,000 feet of the property if the proposed PD is adjacent to the city's corporate limits.
- 4. If the proposed zoning requires a special use permit, the rezoning application shall be accompanied by a special use permit application defining the specifically requested use or list of uses.

[Signature]
Applicant's Signature

3-31-23
Date

Moberly, MO



Legend

- Roads
- Corporate Limit
- Parcel
- Original Lot
- Stream
- Subdivision
- Lots
- South Ridge Lot Line
- City Easement
- Zoning
 - B-1
 - B-2H
 - B-3
 - B-3(PD)
 - M-1
 - M-P
 - N-1
 - R-1
 - R-1(PD)
 - R-2
 - R-2(PD)
 - R-3
 - R-3(PD)

WS #4.

Notes



This Cadastral Map is for informational purposes only. It does not purport to represent a property boundary survey of the parcels shown and shall not be used for conveyances or the establishment of property boundaries.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

454.3 Feet

227.16

0

CITY OF MOBERLY, MISSOURI
RE-ZONING PERMIT
REASONS FOR DETERMINATION

Submit Questions To:
Zoning Administrator
City of Moberly
101 West Reed Street
Moberly, MO 65270-1551
(660) 263-4420
(660) 263-9398 (fax)

For Office Use Only:

Date of Action: April 24, 2023
Action: APPROVAL

ON April 24, 20 23, THE CITY OF MOBERLY PLANNING AND ZONING COMMISSION AT ITS REGULAR MEETING, RECOMMENDED APPROVAL (ACTION: APPROVAL, CONDITIONAL APPROVAL, DENIAL) OF A RE-ZONING REQUEST FROM A(N) B-3 TO A (N) R-3/PD (ZONE) TO BE LOCATED 400 BLOCK OF NORTH 4TH STREET, MOBERLY, MISSOURI. (ADDRESS OR LOCATION).

THE CITY COUNCIL WILL CONSIDER THE RECOMMENDATION OF THE PLANNING AND ZONING COMMISSION AT THE MAY 1, 20 23 MEETING OF THE MOBERLY CITY COUNCIL.

IN RECOMMENDING APPROVAL (ACTION) OF THIS RE-ZONING REQUEST, THE PLANNING AND ZONING COMMISSION CONSIDERED ALL STANDARDS LISTED IN THE ZONING REGULATION, AND ALL OTHER CONDITIONS LISTED FOR THAT USE IN OTHER SECTIONS OF THESE REGULATIONS. IN ADDITION, THE PLANNING AND ZONING COMMISSION FOUND THAT THE PROPOSED USE DID (DID/DID NOT) PROVIDE SAFEGUARDS TO ASSURE ITS COMPATIBILITY WITH THE SURROUNDING AREA.

CONDITIONS (IF ANY): _____


CHAIRPERSON


ZONING ADMINISTRATOR

City of Moberly City Council Agenda Summary

Agenda Number: _____

WS #5.

Department: Community Development

Date: May 1, 2023

Agenda Item: An application for a preliminary plat submitted by Nate Kohl on behalf of 3 Brothers Construction to re-plat for a new planned development subdivision in the 400 Block of North 4th and 5th St.

Summary: The proposed site is located in the 400 Block of N 4th and 5th St. The property to the north is zoned M-1 (Industrial District), to the west is zoned R-3.

The Planning & Zoning Commission recommended approval for the request of the rezoning.

Recommended Action: Bring forward to the regular City Council meeting on May 15, 2023 for final approval.

Fund Name: N/A

Account Number: N/A

Available Budget \$: N/A

ATTACHMENTS:		Roll Call	Aye	Nay
<input type="checkbox"/> Memo	<input type="checkbox"/> Council Minutes	Mayor		
<input type="checkbox"/> Staff Report	<input type="checkbox"/> Proposed Ordinance	M___ S___ Brubaker	___	___
<input type="checkbox"/> Correspondence	<input type="checkbox"/> Proposed Resolution	Council Member		
<input type="checkbox"/> Bid Tabulation	<input type="checkbox"/> Attorney's Report	M___ S___ Lucas	___	___
<input type="checkbox"/> P/C Recommendation	<input type="checkbox"/> Petition	M___ S___ Kimmons	___	___
<input type="checkbox"/> P/C Minutes	<input type="checkbox"/> Contract	M___ S___ Jeffrey	___	___
<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Budget Amendment	M___ S___ Kyser	___	___
<input type="checkbox"/> Citizen	<input type="checkbox"/> Legal Notice			
<input type="checkbox"/> Consultant Report	<input type="checkbox"/> Other _____		Passed	Failed

City of *Moberly!*

Memorandum

To: Planning and Zoning Commission

From: Planning Staff

Subject: Preliminary Development Plat (Agenda Items 3)

Meeting: April 24, 2023

Public Hearing to consider:

Notice of Public Hearing for a Preliminary Development Plat and Planned Development submitted by Nate Kohl on behalf of Tony Stuart for a re-platting of property lines in the 400 block of N 5th St and 400 block of N 4th St.

Comments:

The properties involved in the Preliminary Development Plat and Planned Development are 402 N 5th St through 412 N 5th St and the adjacent lot that is at the corner of Franklin St and N 5th St. This application also considers the lot at N 4th St and Franklin St that was previously a Sub Station for Ameren UE. The existing platted lots that are impacted by this application include Lots 10, 11, 18, 19, 20, 21, and 22 of Block 9 of Williams 2nd Addition.

Lots 10 and 11 face 4th Street and are currently zoned as B-3 General Commercial District and require Re-zoning as part of the re-platting process to conform to the requested base zoning requirements of R-3 Multifamily Residential for the proposed use.

Lots 18, 19, 20, 21, and 22 face 5th Street and were recently re-zoned by City of Moberly to R-3 Multifamily Residential District to promote and seek development of Multifamily Residential Development adjacent to the Downtown District. These will require re-zoning and re-platting to meet the proposed layout and setbacks for the intended use.

R-3 Residential District Standards can be found in our Zoning Regulations in Chapter 46-81. The zoning standards of the R-3 District allow for Single Family, Two Family, and Multi-family structures; each of which have slightly different requirements for setbacks, livable square footage, etc.

The proposed application is a re-platting and re-zoning application for the existing lots of Williams 2nd Addition that are mentioned above.

City Staff Review:

City Staff has reviewed the application and the code sections that apply. The existing proposed design for the re-plat and re-zoning of the lots is requesting to change the existing 5 lots on N 5th Street to become 7 lots on N 5th St. The 2 existing lots on N 4th Street will remain as 2 lots but shift property lines to accommodate the planned

development single family homes proposed for the area. The proposed layout is to build 9 Single Family Homes in the area for rental or resale use.

The Zoning Standards for Single Family Homes in the R-3 Multifamily Zoning District includes a minimum lot size of 6,000 sq ft with 60 ft of frontage. The proposed development will create lots with roughly 4400 sq ft of lot size (5200 sq ft on corners) and 37 ft of frontage. The landscaping ordinance and zoning standards for this district also allow for up to 50% coverage of impervious surface and structures on the lots, the proposed development includes 60% impervious surfaces.

After reviewing the proposed planned development requests, the developer is requesting a reduction in lot square footage from 6,000 sq ft to 4400 sq ft, a reduction in lot frontage from 60 ft to 37 ft, and an increase in lot coverage from 50% to 60%.

The development shows an increase in additional visitor parking in addition to the garages on the north side for additional (13 spaces) parking. Also, existing infrastructure in the form of streets, water, sewer, electrical, fire hydrants, and lighting are already in place for these lots. There are not intended to be any additional construction plans to submit for infrastructure development following this proposed platting / planned development.

City Staff recommends that if there are no additional changes or recommendations by the Planning and Zoning Commission, that they forward the Plat/Planned Development applications to City Council with consideration as a Final Plat as there is no infrastructure development to occur that would require dedication to City of Moberly.

Preliminary Development Plan/ Planned Developments/ Re-zoning applications do require additional approval by the City Council for acceptance in Moberly, MO.

Respectfully Submitted Aaron Decker

**CITY OF MOBERLY, MISSOURI
REZONING APPLICATION**

Return Form to:
Zoning Administrator
City of Moberly
101 West Reed Street
Moberly, MO 65270-1551
(660) 263-4420
(660) 263-9398 (fax)

For Office Use Only

Deposit: _____
Date Advertised: _____
Date Notices Sent: _____
Public Hearing Date: _____

APPLICANT INFORMATION:

Applicant: Tony Stuart Phone: 573-819-3643
Address: 846 C.R. 2650 Clark MO 65243 Zip: _____
Owner: Tony Stuart / City of Moberly Phone: _____
Address: ~~Clark~~ Zip: _____

PROPERTY INFORMATION:

Street Address or General Location of Property: North 5th & Franklin
Property is Located In (Legal Description): Lots 10, 11, 19, 20, 21, 22, Block 9, Williams
Second Addition to the City of Moberly

Present Zoning R-3 Requested Zoning: R-3 PD Acreage: 37,195 sq ft

Present Use of Property: Vacant

Character of the Neighborhood: Churches about - but struggling

SURROUNDING LAND USE AND ZONING:

	<u>Land Use</u>	<u>Zoning</u>
North	American	
South	2nd Baptist	
East	Parking Lot	
West	Church AME/Residence	

RELATIONSHIP TO EXISTING ZONING PATTERN:

1. Would the proposed change create a small, isolated district unrelated to surrounding districts?
Yes ___ No X
If yes, explain: _____
2. Are there substantial reasons why the property cannot be used in accordance with existing zoning?
Yes X No ___
If yes, explain: Housing Arrangement.

CONFORMANCE WITH COMPREHENSIVE PLAN:

1. Is the proposed change consistent with the goals, objectives and policies set forth in the Comprehensive Plan?
Yes X No ___
2. Is the proposed change consistent with the Future Land Use Map?
Yes X No ___

TRAFFIC CONDITIONS:

1. Identify the street(s) with access to the property: 5th Street, Franklin
4th Street, Alley
2. Identify the classification of those street(s) as Arterial, Collector or Local and each Right-of-Way width:

Street Name	Classification	Right-of-Way Width
<u>5th</u>	<u>Local</u>	<u>40'</u>
<u>Franklin</u>	<u>Collector</u>	<u>60 - 90 ? Varies</u>
<u>4th</u>	<u>Local</u>	<u>60'</u>

3. Will turning movements caused by the proposed use create an undue traffic hazard?
Yes ___ No X

IS PLATTING OR REPLATTING REQUIRED TO PROVIDE FOR:

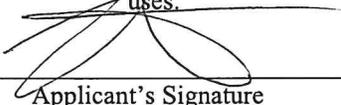
- 1. Appropriately Sized Lots? Yes X No
- 2. Properly Sized Street Right-of-Way? Yes No X
- 3. Drainage Easements? Yes No X
- 4. Utility Easements:
 - Electricity? Yes No X
 - Gas? Yes No X
 - Sewers? Yes No X
 - Water? Yes No X
- 5. Additional Comments: _____

UNIQUE CHARACTERISTICS OF PROPERTY AND ADDITIONAL COMMENTS:

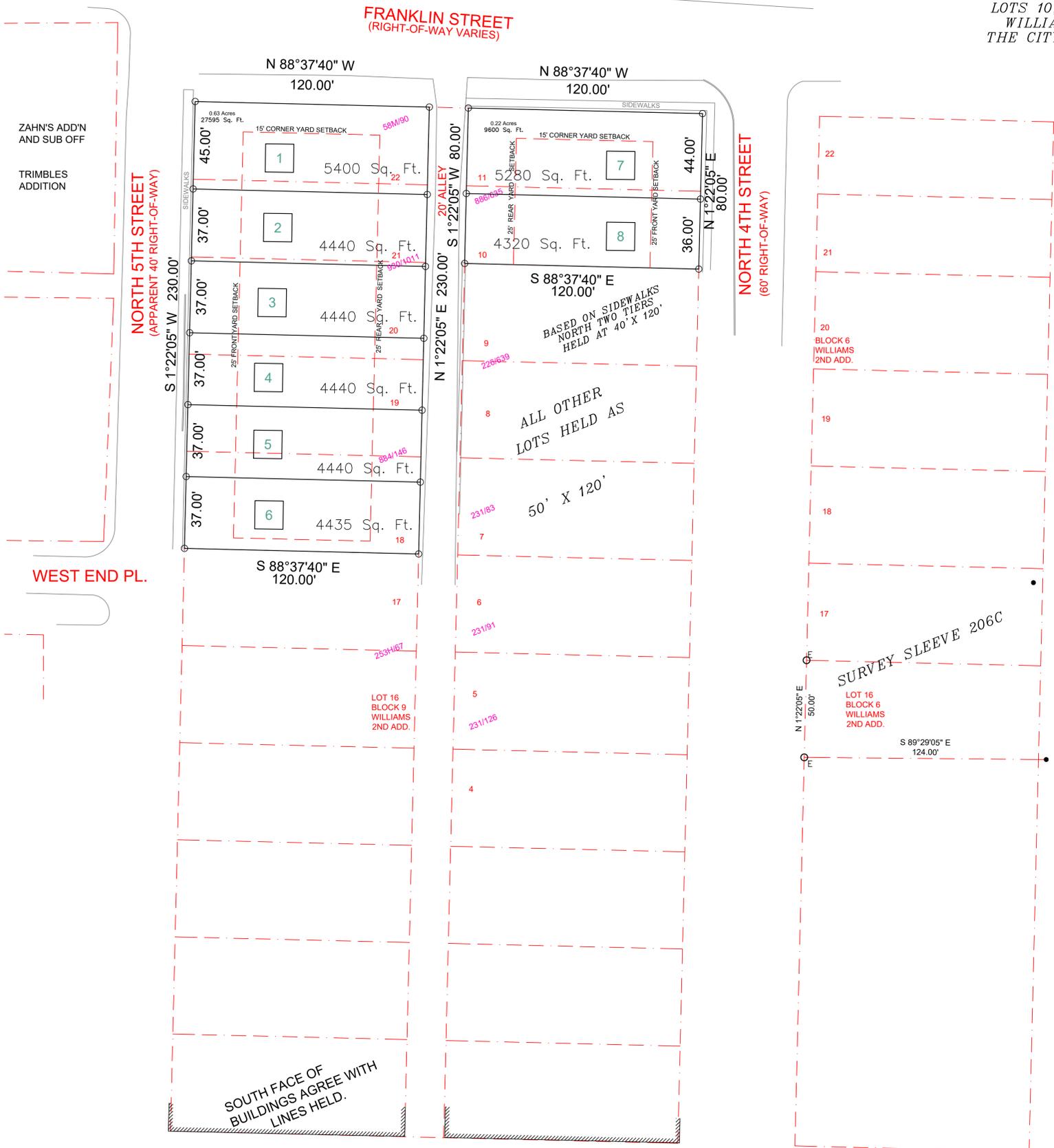
This is the Director of Public Works vision
of bringing new life to downtown.
J.J

THE FOLLOWING MUST ACCOMPANY YOUR APPLICATION:

- 1. One copy of a legal description of the property proposed to be rezoned.
- 2. One copy of a statement describing the impact of the proposed change, including any traffic conditions that may result; any danger from fire hazards; how the proposed change may affect the character of the surrounding properties; and how the proposed change will benefit the City of Moberly.
- 3. Certified list of property owners within:
 - A. 185 feet of the property if the proposed PD is located within the city's municipal boundaries;
 - B. 1,000 feet of the property if the proposed PD is adjacent to the city's corporate limits.
- 4. If the proposed zoning requires a special use permit, the rezoning application shall be accompanied by a special use permit application defining the specifically requested use or list of uses.


Applicant's Signature

3-31-23
Date



SCALE 1" = 30'

BEARINGS ARE BASED ON GRID NORTH OF CENTRAL ZONE OF THE MISSOURI STATE PLAN COORDINATE SYSTEM AS DETERMINED BY GPS OBSERVATIONS UTILIZING THE MODOT RTK NETWORK.

SURVEYOR'S NOTE: THIS FINAL PLAT PRESENTS A RE-PLAT OF THE SUBJECT LOTS IN WILLIAM'S SECOND ADDITION. THE ORIGINAL PLAT FOR THIS ADDITION IS NOT KNOWN TO EXIST BY THE RANDOLPH COUNTY RECORDER AND THE BEST INFORMATION CONCERNING THE LOT ARRANGEMENT CAME FROM A 1910 ATLAS PROVIDED BY THE RECORDER. AMBIGUITIES EXIST IN THE NORTHERN TIER OF LOTS IN BLOCK 9, AND THERE IS NOT ADEQUATE INFORMATION ON THE PLAT TO RECONSTRUCT THE RELATIONSHIP BETWEEN ADJACENT PLATS IN THAT AREA. THE RE-ESTABLISHMENT OF THE LOT CORNER LOCATIONS WAS BASED UPON THE ONLY NEARBY SURVEY IN LOT 17 OF BLOCK 6 (REFERENCE SLEEVE 206C). PROPOGATING THE LINES OF THAT SURVEY FITS REASONABLY WELL WITH THE PHYSICAL EVIDENCE OF BUILDINGS, POSTS, SIDEWALKS AND STREET PAVEMENT IN BLOCK 9.

LEGEND

- 1 PROPOSED LOT/UNIT NUMBER
100.00' LOT DIMENSION
PROPOSED LOT LINE
BUILDING SETBACK LINE
UTILITY EASEMENT
PLATTED LOT LINE
IRON PIPE SET/DRILLED HOLE THIS PLAT UNLESS DENOTED "E" FOR EXISTING.
EXISTING REBAR
DEED BOOK/PAGE

ALL MONUMENTS TO BE SET WITHIN 12 MONTHS OF FINAL PLATTING. CORNERS FALLING ON EXISTING CONCRETE TO BE DRILLED HOLES.

LAND DESCRIPTION

Lots 10, 11, 18, 19, 20, 21 and 22 of Block 9, William's Seconds Addition to the City of Moberly, Randolph County, Missouri.

SUBDIVIDER/DEVELOPER: TONY STUART 846 COUNTY ROAD 2650 CLARK, MO 65243

OWNER: CITY OF MOBERLY 101 WEST REED STREET MOBERLY, MO 65270



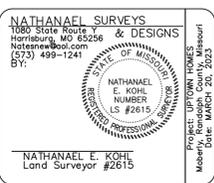
VICINITY MAP

THE RESULTS OF THE SURVEY OF THIS URBAN PROPERTY, MADE FOR TONY STUART, AND EXECUTED IN ACCORDANCE WITH THE CURRENT MISSOURI MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS, ARE SHOWN ON THIS PLAT.

Section A.02 Certificate of Accuracy

I hereby certify that the plan shown and described hereon is a true and correct survey to the accuracy required by the City of Moberly, Missouri and the monuments have been placed as shown hereon, to the specification of the Community Development Director or Designee.

(Weekday, Month and Day) 2023. NATHANAEL E. KOHL (Registered Engineer/Land Surveyor)



Section A.01 Certificate of Ownership, Consent and Dedication

I (we) hereby certify that I am (we are) the owner(s) of the property shown and described hereon and that I (we) hereby adopt this plan of subdivision with my (our) free consent, and in accordance with my (our) desire, establish the minimum building restriction lines, and irrevocably offer for dedication to the public all streets, alleys, walks, parks, other open spaces, easements, required public utilities, and the required public improvements as shown on the subdivision plat, construction plans and landscaping plans.

(Weekday, Month and Day) 2023. SIGNED BELOW BY THE MAYOR AND ATTESTED TO BY THE CITY CLERK ON BEHALF OF THE CITY OF MOBERLY,

Section A.05 Certificate of the Approval of the Final Plat

I hereby certify that the subdivision plat shown hereon has been found to comply with the Subdivision Regulations for the City of Moberly, Missouri with the exception of such variances, if any as noted in the minutes of the City Council meeting. The City hereby accepts dedication of, and responsibility for maintenance of all streets, utilities and other public areas as indicated on the final plat subject to any development agreements relating to improvement of the same referenced on the face of the Final Plat. The Final Plat for the subdivision entitled _____ is hereby approved for filing in the Office of the City Clerk and recording in the Office of the Randolph County Recorder of Deeds.

(Weekday, Month and Day) 2023. _____ (Mayor, City of Moberly) Attest: _____ (City of Moberly City Clerk)

457

Section A.03 Certificate of Fire Protection Measures

I hereby certify that the plan shown and described hereon and the improvements shown and approved as part of the Drainage Study and Construction Documents meet the minimum applicable Federal, State, County and City Fire Codes and fire protection measures, including water pressure and flow for providing adequate fire protection.

(Weekday, Month and Day) 2023. _____ (Registered Engineer) NATHANAEL E. KOHL (City of Moberly Fire Chief)

Section A.04 Certificate of the Approval of Public Improvements

I hereby certify: A. That streets, utilities and other improvements have been installed in acceptable manner and according to the City specifications in the subdivision entitled _____; or B. That a security bond in the amount of \$_____ has been posted with the Governing Body to assure completion on all required improvements in case of default; or C. That a development agreement between the subdivider and the City has been adopted by the Governing Body and recorded in the Office of Randolph County Recorder of Deeds in Book No. _____ Page No. _____ providing security for and construction of required public improvements.

(Weekday, Month and Day) 2023. _____ (Director of Public Works) _____ (Director of Public Utilities)

Attest: _____ (City of Moberly City Clerk)

CERTIFICATE OF RECORDER

STATE OF MISSOURI } DOCUMENT NO. _____ COUNTY OF RANDOLPH } SS I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THIS PLAT WAS FILED FOR RECORD IN THE OFFICE OF THE RECORDER OF DEEDS FOR RANDOLPH COUNTY, MISSOURI, THIS _____ DAY OF _____, 2023, AT _____ O'CLOCK _____ M, AND RECORDED IN SLEEVE _____ MARK PRICE - RECORDER OF DEEDS

**CITY OF MOBERLY, MISSOURI
PRELIMINARY PLAT PERMIT
REASONS FOR DETERMINATION**

Submit Questions To:
Zoning Administrator
City of Moberly
101 West Reed Street
Moberly, MO 65270-1551
(660) 263-4420
(660) 263-9398 (fax)

For Office Use Only:

Date of Action: APRIL 24, 2023

Action: APPROVAL

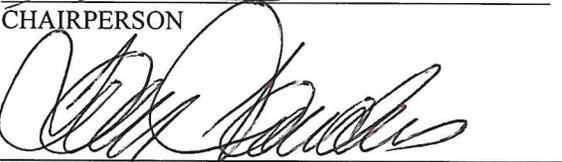
ON APRIL 24, 2023, THE CITY OF MOBERLY PLANNING AND ZONING COMMISSION AT ITS REGULAR MEETING, RECOMMENDED APPROVAL (ACTION: APPROVAL, DENIAL) OF A REQUEST OF A CERTIFICATE OF SURVEY FOR PRELIMINARY PLAT FOR HOUSING IN THE 400 BLK OF N 4TH AND N 5TH STREET, MOBERLY, MO.

THE CITY COUNCIL WILL CONSIDER THE RECOMMENDATION OF THE PLANNING AND ZONING COMMISSION AT THE MAY 1, 2023 MEETING OF THE MOBERLY CITY COUNCIL.

IN RECOMMENDING APPROVAL (ACTION) OF THIS SUBDIVISION REQUEST, THE PLANNING AND ZONING COMMISSION CONSIDERED ALL STANDARDS LISTED IN THE ZONING REGULATION, AND ALL OTHER CONDITIONS LISTED FOR THAT USE IN OTHER SECTIONS OF THESE REGULATIONS.,
CONDITIONS (IF ANY): _____



CHAIRPERSON



ZONING ADMINISTRATOR

City of Moberly City Council Agenda Summary

Agenda Number: _____ WS #6.
 Department: Public Utilities
 Date: May 1, 2023

Agenda Item: A Discussion Regarding A Moberly Detention Basin Project Increase in Budgeted Construction Costs

Summary: The project team identified the opportunity for this change. During work with construction bids for the Moberly Detention Basin Project ranged from a low of \$104,110 to a high of \$198,155. The originally estimated and approved amount for project construction was in the amount of \$84,141.

EDA requires documented commitment from Moberly that the city is prepared to provide the balance of \$19,969.

Recommended Action: Direct staff to develop a resolution for approval at the next regular council meeting.

Fund Name: EDA Grant Projects Fund

Account Number: 314.185.5409

Available Budget \$: To be transferred from Operating Reserve Fund

ATTACHMENTS:		Roll Call	Aye	Nay
<input type="checkbox"/> Memo	<input type="checkbox"/> Council Minutes	Mayor		
<input type="checkbox"/> Staff Report	<input type="checkbox"/> Proposed Ordinance	M___ S___ Brubaker	___	___
<input checked="" type="checkbox"/> Correspondence	<input type="checkbox"/> Proposed Resolution	Council Member		
<input type="checkbox"/> Bid Tabulation	<input type="checkbox"/> Attorney's Report	M___ S___ Lucas	___	___
<input type="checkbox"/> P/C Recommendation	<input type="checkbox"/> Petition	M___ S___ Kimmons	___	___
<input type="checkbox"/> P/C Minutes	<input type="checkbox"/> Contract	M___ S___ Jeffrey	___	___
<input type="checkbox"/> Application	<input type="checkbox"/> Budget Amendment	M___ S___ Kyser	___	___
<input type="checkbox"/> Citizen	<input type="checkbox"/> Legal Notice			
<input type="checkbox"/> Consultant Report	<input type="checkbox"/> Other _____		Passed	Failed

CITY OF MOBERLY
"BID OPENING"
Sign-In Sheet

Moberly Detention
Basin Improvements
EPA Award No. 05-79-
06034

Date: 04-12-2023
11:00AM

Name

Company

Shannon Hance

City of Moberly

Norman Boone

Rth Boone Construction

CLETON HOWER

EMERY SAPP & SONS, INC.

TOM WILLIS

WILLIS BROS INC

Steve Wilson

City of Moberly

Danor Ulmer

" " "

David Ausmus

Hoke Company

Drew Kerns

JT Holman Const

BID OPENING TABULATION FORM

MOBERLY AREA INDUSTRIAL PARK REGIONAL STORMWATER DETENTION BASIN IMPROVEMENTS

Location: Office of the City Clerk
April 12, 2023, 11:00 a.m.

JOB#:20H3347

Engineers Estimate \$134,220.00

BASE BID

BID BOND

BIDDER'S NAME

	<u>BIDDER'S NAME</u>	<u>BASE BID</u>	<u>BID BOND</u>
1	EMERY SAPP & SONS	\$ 198,155	
2	TR-SMITH CONSTRUCTION		
3	BRS CONSTRUCTION		
4	SAPP CONSTRUCTION	\$ 131,515	
5	JT HOLMAN CONSTRUCTION	\$ 145,490	
6	R&L BOONE CONSTRUCTION	\$ 104,110	
7	WILLIS BROS INC	\$ 224,550	
8	CL RICHARDSON CONSTRUCTION		
9	KC ESTIMATING & CONSTRUCTION		
10	T&B EXCAVATING		

Dana Ulmer

From: Brian Crane
Sent: Tuesday, April 25, 2023 2:38 PM
To: David; Dana Ulmer; Steve Wilson; Cindy Hultz (chultz@marktwaincog.com); Matt Douglass; Greg Hodge
Cc: Randall Thompson
Subject: RE: CITY OF MOBERLY BID OPENING CHECKLIST
RE: REGIONAL STORMWATER DETENTION BASIN
EDA 05-79-06034

Dana,
Have the council approve the overage, we can sign and ratify if time is an issue.

From: David <david@howecompany.com>
Sent: Tuesday, April 25, 2023 1:22 PM
To: Dana Ulmer <dulmer@cityofmoberly.com>; Steve Wilson <swilson@cityofmoberly.com>; Brian Crane <bcrane@cityofmoberly.com>; Cindy Hultz (chultz@marktwaincog.com) <chultz@marktwaincog.com>
Subject: Fw: CITY OF MOBERLY BID OPENING CHECKLIST RE: REGIONAL STORMWATER DETENTION BASIN EDA 05-79-06034

Dana,
See email below from Cindy on the amount of funds available. The City of Moberly will need to makeup the difference. She needs a commitment from the City.

David Ausmus
Howe Company LLC
804 E. Patton Street
Macon, MO 63552
Cell: 660-676-2128
Office: 660-395-4693
Fax: 660-395-4694
David@howecompany.com

From: Cindy Hultz <chultz@marktwaincog.com>
Sent: Tuesday, April 25, 2023 9:14 AM
To: David <david@howecompany.com>
Subject: RE: CITY OF MOBERLY BID OPENING CHECKLIST RE: REGIONAL STORMWATER DETENTION BASIN EDA 05-79-06034

The amount of funding for the project is \$84,141.00 and the lowest bid is \$103,935. Has the City committed to paying the remaining \$19,794? I'm waiting to complete the checklist to hear from you on this.

Thanks,

Cindy Hultz
Executive Director

Mark Twain Regional Council of Governments
42494 Delaware Lane
Perry, MO 63462
o. 573-565-2203
c. 660-651-9738
www.marktwaincog.com

From: David <david@howecompany.com>

Sent: Friday, April 21, 2023 3:12 PM

To: Cindy Hultz <chultz@marktwaincog.com>

Subject: CITY OF MOBERLY BID OPENING CHECKLIST RE: REGIONAL STORMWATER DETENTION BASIN EDA 05-79-06034

Cindy,

Please review the submitted information for the bid opening checklist and attachments.
Let me know if you need additional information or revisions to the submitted documents.

Was not sure what amounts to enter for the "proposed EDA Funded Amount" and the "non-EDA Funded amount".

Thanks

David Ausmus
Howe Company, LLC
804 E. Patton Street
Macon, MO 63552
Cell: 660-676-2128
Direct: 660-395-4692
Office: 660-395-4693

David@howecompany.com

City of Moberly City Council Agenda Summary

Agenda Number: WS #7.
 Department: Public Utilities
 Date: May 1, 2023

Agenda Item: A Discussion Regarding A Scope Of Services Agreement With BARR Engineering For Professional Services.

Summary: The City of Moberly received approval for \$1,169,000 of stormwater grant funding for improvements to the Seven Bridges CSO as part of an overall effort to reduce combined sewer flows leaving the collection system and allowing the system to fully treat those flows at the City Of Moberly WWTP. This is an opportunity to receive nearly 90% funding up to \$1,069,000 towards the project estimated in 2022 dollars, to cost \$1,169,000. This Scope of Services for design engineering work is proposed not to exceed \$181,400.

Recommended

Action: Direct staff to develop a resolution for the next regular council meeting.

Fund Name: Public Utilities Operations—Stormwater Department

Account Number: 301.115.5406

Available Budget \$: To be transferred from operating reserve fund. (Reimbursable through ARPA Grant.)

ATTACHMENTS:	Roll Call	Aye	Nay
<input type="checkbox"/> Memo			
<input type="checkbox"/> Staff Report			
<input checked="" type="checkbox"/> Correspondence			
<input type="checkbox"/> Bid Tabulation			
<input type="checkbox"/> P/C Recommendation			
<input type="checkbox"/> P/C Minutes			
<input type="checkbox"/> Application			
<input type="checkbox"/> Citizen			
<input type="checkbox"/> Consultant Report			
<input type="checkbox"/> Council Minutes			
<input type="checkbox"/> Proposed Ordinance			
<input type="checkbox"/> Proposed Resolution			
<input type="checkbox"/> Attorney's Report			
<input type="checkbox"/> Petition			
<input type="checkbox"/> Contract			
<input type="checkbox"/> Budget Amendment			
<input type="checkbox"/> Legal Notice			
<input type="checkbox"/> Other _____			
	Mayor		
	M___ S___ Brubaker	___	___
	Council Member		
	M___ S___ Lucas	___	___
	M___ S___ Kimmons	___	___
	M___ S___ Jeffrey	___	___
	M___ S___ Kyser	___	___
		Passed	Failed



April 26, 2023

Mr. Dana Ulmer
Director of Public Utilities
City of Moberly
101 West Reed Street
Moberly, MO 65270

Re: Scope and Budget for Professional Services – Moberly 7 Bridges Road CSO Basin Improvements

Dear Mr. Ulmer:

Thank you for the opportunity to provide this scope and budget for the professional services needed to complete the work identified below for the City of Moberly (City). We are grateful for the opportunity to work with you on this project. We consider our Barr team members to be an extension of your staff and we look forward to serving you.

Project Understanding

Barr understands that the City would like to make improvements to the 7 Bridges CSO Basin (CSO Basin) to reduce discharges. The project is expected to consist of the following major tasks:

- Task 1 – Document Review and Pre-Design Survey
- Task 2 – Conceptual Design and Preliminary Engineering Report Update
- Task 3 – Construction Permit Application
- Task 4 – Basin Storage Improvements
- Task 5 – Pumping System Design
- Task 6 – Controls and Instrumentation
- Task 7 – Bid and Construction Support

Barr has prepared the following scope and budget to complete the tasks listed above. The completion of Tasks 4, 5, and 6 are dependent on the upgrade(s) the City chooses to advance to final design. These tasks may be completed in whole, or in part, but are included in their entirety in this proposal for planning purposes.

Scope and Budget

This letter sets forth changes to the contract dated February 13, 2013 between the City and Barr. Barr's scope of services is outlined in the following tasks:

Task 1 – Document Review and Pre-Design Survey

Barr will review documents provided by the City of Moberly related to designing CSO Basin improvements. Documents that will be reviewed (if available) include:

- CSO Basin discharge data from 2017-2022
- 7 Bridges Road Pump Station data from 2017-2022

- 7 Bridges Road Pump Station design or as-built drawings
- CSO Basin design or as-built drawings
- Topography and utility maps of the project area
- Existing instrumentation and monitoring equipment data

The purpose of the document review is to better understand the flows through the CSO Basin and 7 Bridges Road Pump Station and also understand the impact of increasing CSO Basin storage on reducing the number of CSO Basin discharges. Detailed calculations to quantify the benefit in CSO Basin discharge reduction frequency due to increases in CSO Basin storage will be performed in Task 2.

A topographic survey of the site is included in the Task 1 budget and will be used to develop existing conditions contours and structure elevations for the design drawings. It is assumed bathymetric data from the basin will be collected by the City and provided to Barr during Task 1 of the project.

Task 2 – Concept Design and Preliminary Engineering Report Update

The Preliminary Engineering Report, prepared by Barr in October 2022, identified multiple basin upgrades including:

- Raising the berm elevation of the CSO Basin to prevent flooding and reduce discharge frequency
- Dredging existing sediment from the CSO Basin to increase basin storage volume
- Installing a pumping system to lower the CSO Basin level during periods where the wastewater treatment facility (WWTF) has excess capacity
- Instrumenting the pumping system to provide remote pumping system operations and monitoring capabilities

Barr will evaluate each proposed upgrade above at a more detailed engineering level to estimate its effectiveness in reducing CSO Basin discharge frequency.

Concept level hydrologic and hydraulic (H&H) analyses will be performed on the improvement options to assess the impact of implementing each option on reducing the frequency of CSO Basin discharges. The impact on nearby existing sewer infrastructure will also be assessed during this Task. The Preliminary Engineering Report (Barr, 2022) will be updated with the results of these analyses and submitted to the City for review. The City will determine which basin upgrade(s) to advance to final design.

The completion of Tasks 4, 5, and 6 are dependent on the upgrade(s) the City chooses to advance to final design. These tasks may be completed in whole, or in part, but are included in their entirety in this Scope of Work. Please note that depending upon which alternatives are advanced to final design, the costs of completing Tasks 4, 5, and 6 may require adjustment.

Task 3 – Construction Permit Application

Barr will complete development of a Missouri Department of Natural Resources (MDNR) construction permit application for the CSO Basin modifications during this Task. This application will be updated during the project as design information becomes further defined.

Task 4 – Basin Storage Improvements

CSO Basin storage will be increased by removing existing sediment and raising basin berms. Barr will provide assistance with each task in the following way:

Sediment Removal

Barr will utilize sediment thickness data provided by the City to develop an estimate of existing sediment volume. Drawings and specifications detailing sediment removal will be developed by Barr. These documents will include disposal specifications based on City preferences and testing recommendations prior to disposal.

Berm Raise

Barr will utilize the information provided by the City in Task 1 and perform calculations to determine an estimated reduction in basin discharges for various berm raise heights. These results will be communicated to the City and a target berm raise height will be determined and designed. The design will include proposed basin berm geometry, earthwork volumes, borrow source staging areas, and earthwork technical specifications.

Task 5 – Pumping System Design

Barr will design a system to pump water from the CSO Basin to the 7 Bridges Road Pump Station if it is determined to be necessary following the berm raise evaluation performed in Task 4. The pumping system design will include:

- Pump design – Pump system curves will be calculated to specify a pumping system. It is assumed the pump will be a submersible pump installed near the downstream end of the CSO Basin.
- Piping design – Pipe size and material will be specified based on the pump system determined in the pump design task. This task will also include pipe alignment and tie-in details between the CSO Basin and the 7 Bridges Road Pump Station.
- Associated structures – Any modifications to existing structures or design of new structures required to connect the new pumping system to the CSO Basin and 7 Bridges Road Pump Station. This would include, but not limited to, modifying the existing outfall structure to align with the basin storage improvements in Task 4 or the design of a new vault within the basin for the installation of the new pump if it is determined that the pump will be installed within the basin.
- Pumping system power – Any electrical design necessary to supply power to the pumping system will be included in this task, including design/coordination of a new electric service to the site if required.

Task 6 – Controls and Instrumentation

Barr will design controls and instrumentation to provide remote control and monitoring capabilities for flow between the CSO Basin and 7 Bridges Road Pump Station, as well as monitoring of the CSO basin

and 7 Bridges Road Pump Station levels. As part of this task, Barr will complete a site visit to other City pump stations to view existing controls and gather input from the City on features they would like incorporated into the instrumentation and monitoring system. It is anticipated that the remote control and monitoring of the two facilities will be accomplished using a radio system that will communicate with the City's existing SCADA system.

Remote control of flow between the CSO Basin and the 7 Bridges Road Pump Station will also be designed in this task and focus on one of two options:

- Control flow between the CSO Basin and 7 Bridges Road Pump Station using an electrically controlled automated valve on the existing pipe connection.
- Control flow from the pumping system designed in Task 5 (if necessary) by automating on/off levels within the basin or the outfall structure, depending on location of the final installation of the pump.

The existing electrical system at the 7 Bridges Road Pump Station will also be evaluated in order to determine whether the existing system can accommodate the proposed electrically controlled automated valve(s) or if additional upgrades to the system would be needed.

Task 7 – Bid and Construction Support

Barr will provide bid support to the City that includes the following tasks:

- Develop bid package for submittal to contractors including front end documents, a bid form with estimated quantities, drawings, and other applicable bid documents. Bid package will be supplied to the City in digital form.
- Barr will attend a pre-bid meeting at the City's request to review the project with prospective contractors
- Barr will respond to contractor requests for information (RFIs) and coordinate responses with the City Project Manager
- Barr will coordinate with the City and provide input on the contractor selection process as requested
- Barr will update the Issued for Bid drawing set and submit an Issued for Construction drawing set to the City and the selected contractor

Barr will provide construction observation, documentation, and support that includes the following tasks:

- Barr will assist with providing approval for material certifications and equipment specifications submitted by the contractor before and during construction
- Barr will make site visits during construction to document construction methods and progress. Barr has assumed 4 site visits will be made during construction. Additional visits may require additional budget.
- Barr will coordinate site visits with the City Project Manager

- Daily observation reports will be provided to the City for their records during each day a construction site visit is made
- Barr is not including any materials testing in this scope of work. Barr assumes in place density testing and other materials tests required in the Technical Specifications will be the responsibility of the contractor.

Barr will prepare Record Drawings following construction based on observations made during site visits and as-built drawings submitted by the contractor. Details of Record Drawing preparation and submittal are below:

- Barr will subcontract with a local professional licensed surveyor to complete a post-construction topographic survey of the improvements.
- Record Drawings will be prepared based on direct observations made by Barr staff during construction observation visits, post-construction topographic survey data, and from as-built drawings submitted by the contractor.

Barr will assist the City with several construction administration tasks to confirm compliance with American Rescue Plan Act (ARPA) requirements including:

- Barr will assist the City with evaluating construction change order requests. Barr has budgeted for assistance with up to four change orders.
- Barr will assist the City with evaluating construction payment requests. Barr has budgeted for assistance with up to four construction payment requests.
- Barr will assist the City with grant reimbursements and payment requests. Barr has budgeted for assistance with up to four grant reimbursement and payment requests.

Barr will develop standard operating procedure (SOP) documents for the CSO basin and equipment installed as part of this project as needed. The City will provide SOP templates for Barr's use in the development of these documents.

Deliverables

The following deliverables are included in this scope of work:

- Updated Preliminary Engineering Report
- 30% Design Drawings
- 90% Design Drawings and Technical Specifications
- Issued for Bid (IFB) Drawings and Technical Specifications
- Issued for Construction (IFC) Drawings and Technical Specifications
- Daily Construction Observation Reports
- Record Drawings
- SOPs for the CSO Basin and New Equipment

Assumptions

Barr made the following assumptions in this scope of work:

- City will provide relevant sampling and testing data from the 7 Bridges Road CSO Basin sludge to assist with the sludge removal planning
- Barr will subcontract with a local professional licensed surveyor to complete pre-design and post-construction topographic surveys of the site. The fees for these survey activities are included in the estimated budget below.
- City will provide relevant design and construction data and/or drawings from the 7 Bridges Road CSO Basin
- City will provide front end documents for the bid package and they can be used without modification.
- Requests from contractors for information during the bid period will be directed to the City and Barr in writing. Responses will be provided within one business day in writing to all prospective bidders.
- Barr will coordinate site visits directly with the City Project Manager.
- Contractor will be responsible for all construction quality tests required in the Technical Specifications. Costs for these tests were not included in Barr's budget to complete this work.
- Contractor will be responsible for confirming berm raise borrow material meets earthwork specifications provided by Barr. Borrow source investigation and evaluation is not included in this scope of work or estimated budget.
- Barr assumed 4 construction site visits in the budget provided below.
- Deliverables will be electronically submitted to the City.
- A master SCADA system exists that the new controls at the station and basin can be integrated into and the City will provide relevant documentation on this system. Design of a master SCADA system is not included in this proposal.
- Adequate radio communications coverage is available at the site for the use of the remote monitoring and control system. A radio path study is not included in this proposal.
- Adequate electrical capacity is available at the 7 Bridges Road Pump Station for the possible addition of electrically actuated valves. Design of an upgraded electrical service and service equipment, if needed, is not included in this proposal.
- The ENGINEER agrees to take steps to ensure that disadvantaged business enterprises (DBEs) are utilized when possible as sources of supplies, equipment, construction, and services as required by 2 CFR 200.321.
- One hard copy and one digital copy of the IFC Drawings and Technical Specifications will be signed and sealed and provided to Missouri Department of Natural Resources (MDNR).
- One hard copy and one digital copy of the Record Drawings will be signed and sealed and provided to MDNR.
- Copies of all change orders will be submitted to MDNR for approval.

- The City will provide SOP templates for Barr’s use developing new SOPs for the CSO Basin and new equipment.
- Equipment vendors will be responsible for providing operating manuals and maintenance guidelines for any new equipment installed during this project.

Budget and Schedule

The City will be invoiced on a time-and-materials basis for the scope of work described above. The total amount to conduct the work is **\$181,400**. Estimated labor and expenses for each task shall not be exceeded except by contract amendment and prior approval from the City. The completion of Tasks 4, 5, and 6 are dependent on the upgrade(s) the City chooses to advance to final design. These tasks may be completed in whole, or in part, but are included in their entirety in this estimated proposal budget for planning purposes.

Budget Table

Tasks	Estimated Labor and Expenses
¹ Task 1 – Document Review and Pre-Design Survey	\$9,200
Task 2 – Concept Design and Preliminary Engineering Report Update	\$23,800
Task 3 – Construction Permit Application	\$19,400
Task 4 – Basin Storage Improvements	\$27,200
Task 5 – Pumping System Design	\$35,900
Task 6 – Controls and Instrumentation	\$20,100
¹ Task 7 – Bid and Construction Support	\$45,800
TOTAL	\$181,400

¹ Task 1 and Task 7 include surveying subcontractor expenses for pre-design and post-construction topographic surveys.

The City shall make payment to Barr in accordance with Section 8.960 in the Revised Statutes of Missouri.

Schedule

The schedule required to complete the scope of work is dependent on the upgrade(s) the City chooses to advance to final design, but Barr expects the overall project to be complete by December 31, 2024. A schedule table with project milestones and estimated completion dates is provided below.

Schedule Table

Tasks	Estimated Completion Date
Notice to Proceed	June 1, 2023
Task 1 through Task 6	February 28, 2024
Project Bidding/Contracting	March - April, 2024
Task 7 – Bid and Construction Support	December 31, 2024

We appreciate the opportunity to continue to work with you. If you have any questions about this proposal, please contact Craig Bunger at cbunger@barr.com or 573-638-5017.

Sincerely,



Craig Bunger, P.E.
Senior Civil Engineer

By  _____
Rob K. Morrison, P.E.
Its Vice President

Accepted this ___ day of _____, 2023
Dana Ulmer, City of Moberly, Missouri

By _____
Dana Ulmer
Its Director of Public Utilities

City of Moberly City Council Agenda Summary

Agenda Number: _____ WS #8.
Department: Parks and Recreation
Date: May 1, 2023

Agenda Item: Park Board Appointments

Summary: Each year, three Park Board seats are due for reappointment. Terms are three years. This year, the three that are due are Kay Harris, Lindsay Overfelt, and Barry Richardson. Lindsay Overfelt indicated at the April Park Board meeting she is soon anticipating moving just outside City limits and is therefore unable to seek reappointment. Barry Richardson indicated at the February Park Board meeting he will not seek reappointment due to time/family considerations.

The City advertised for Park Board applications. Applications on file include:

1. Kay Harris, seeking reappointment.
2. Betty Hunt
3. John Meystrik
4. Jason Lowry (ineligible due to residence outside City limits)
5. Joe Foster
6. Zach Richardson

Recommended

Action: Move applications forward to the May 15th meeting for selection.

Fund Name: N/A

Account Number: N/A

Available Budget \$: N/A

ATTACHMENTS:	Roll Call	Aye	Nay
<input type="checkbox"/> Memo <input type="checkbox"/> Staff Report <input type="checkbox"/> Correspondence <input type="checkbox"/> Bid Tabulation <input type="checkbox"/> P/C Recommendation <input type="checkbox"/> P/C Minutes <input checked="" type="checkbox"/> Application <input type="checkbox"/> Citizen <input type="checkbox"/> Consultant Report	<input type="checkbox"/> Council Minutes <input type="checkbox"/> Proposed Ordinance <input type="checkbox"/> Proposed Resolution <input type="checkbox"/> Attorney's Report <input type="checkbox"/> Petition <input type="checkbox"/> Contract <input type="checkbox"/> Budget Amendment <input type="checkbox"/> Legal Notice <input type="checkbox"/> Other: _____	<p>Mayor</p> M___ S___ Brubaker	
		<p>Council Member</p> M___ S___ Lucas M___ S___ Kimmons M___ S___ Jeffrey M___ S___ Kyser	
		<small>Passed</small>	<small>Failed</small>



Board/Commission Application Form

Individuals serving on boards or commissions play an important role in advising the City Council on matters of interest to our community and its future. For the most part, Board and Commission members must be residents of the City of Moberly. When a vacancy occurs, an announcement of that vacancy will be posted. The City Council will review all applications. The appointment will be made at a formal City Council meeting. Appointees serve as unpaid volunteers.

This application is a public document and as such it or the information it contains may be reproduced and distributed. This application will remain active for two years and you will automatically be considered for any vacancy occurring during that time.

Name of Board or Commission: Moberly Park Board

Date: 2/17/2023

Your Name: Kay Harris

Street Address: 924 Eastbrook Circle

Phone number(s): (evening) 660-263-9093

(day) 660-651-0020

Email: dk.harris@charter.net

Do you live within the corporate limits of City of Moberly? Yes / No

How long have you been a resident of City of Moberly? 39 years

Occupation: Beautician

Fayette, MO

Employer: Peacock Beauty Shop, (50 years)

Optional Questions (use back of application if necessary)

What experience and/or skills do you have that might especially qualify you to serve on this board or commission? I have served on the Park Board the past 9 years and would like to continue to be a contributing member. I am involved in other community organizations and find it important to help keep it a highlight of Moberly. I have been a long time community member and take great pride in our parks. I enjoy the park & have watched my entire family, as well as friends benefit from the many opportunities.

What particular contributions do you feel you can make to this board or commission? I am a good listener of community needs and a reliable board member with attendance and review of notes prior to board meetings. I am willing to pitch in and help when needed. I feel it is important to support our park director and staff and work together to find ways to continue to improve and maintain our already beautiful park.

I will attend meetings in accordance with the adopted policies of City of Moberly, Missouri. If at any time my business or professional interests conflict with the interests of the Commission, I will not participate in such deliberations. References may be secured from the following individuals:

- 1. Mrs. Pat Rolls Phone: 660-833-8590
2. Mr. Tom Robison Phone: 660-263-4349
3. Mrs. Judy Wetrich Phone: 660-263-7392

Kay Harris
Signature of Applicant

*Additional Information may be attached to this form.

Return to: City of Moberly, 101 West Reed Street, Moberly, MO 65270



Board/Commission Application Form

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This application is a public document and as such it or the information it contains may be reproduced and distributed. This application will remain active for two years and you will automatically be considered for any vacancy occurring during that time.

Name of Board or Commission: Park Board Date: 3-3-23
Your Name: Betty A. Hunt Street Address: 1107 S. 4th
Phone number(s): (evening) 660-651-7009 (day) Same
Email:

Do you live within the corporate limits of City of Moberly? Yes/No

How long have you been a resident of City of Moberly? 100+

Occupation: hair stylist Employer: self

Optional Questions (use back of application if necessary)

What experience and/or skills do you have that might especially qualify you to serve on this board or commission?

I'm a golfer and been on the board at the time the Moberly County Club was open.

What particular contributions do you feel you can make to this board or commission?

Love the park and the golf course - I think I can help with input on both!

I will attend meetings in accordance with the adopted policies of City of Moberly, Missouri. If at any time my business or professional interests conflict with the interests of the Commission, I will not participate in such deliberations. References may be secured from the following individuals:

- 1. Regina Sumner Phone: 660-651-7672
2. Mary Lee Neal Phone: 660-263-7129
3. Scott Cleauginger Phone: 573-881-1256

Betty A. Hunt
Signature of Applicant

*Additional Information may be attached to this form.



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Name of Board or Commission: Parks & Recreation Board Date: 4/4/2023
 Your Name: John S. Meystrik Street Address: 24 Urbandale, Moberly MO 65270
 Phone number(s): (evening) 660-263-4864 (day) 660-269-7270
 Email: john.meystrik@centralbank.net

Do you live within the corporate limits of City of Moberly? Yes No
 How long have you been a resident of City of Moberly? 26 years
 Occupation: Senior Vice President- Lending Employer: Central Bank

Optional Questions (use back of application if necessary)

What experience and/or skills do you have that might especially qualify you to serve on this board or commission?

I've raised two children who have participated in numerous sports and have utilized the facilities and parks in Moberly. I've assisted on the committees to help pass sales taxes to benefit the park system and I've been a resident of the city for over 26 years, having seen many changes to our parks.

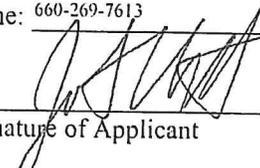
My financial background would assist with fiscal-related matters and I have an interest in the prosperity of the city and its residents and an attractive and enjoyable park system.

What particular contributions do you feel you can make to this board or commission?

I would bring a broad perspective to the board - as a citizen who has benefited from our parks and facilities and one who sees the need for and benefits of a vibrant park system to attract and retain citizens and support economic development.

I will attend meetings in accordance with the adopted policies of City of Moberly, Missouri. If at any time my business or professional interests conflict with the interests of the Commission, I will not participate in such deliberations. References may be secured from the following individuals:

1. Mike Riffel Phone: 660-269-7272
2. Russ Kennison Phone: 660-651-2690
3. Troy Bock Phone: 660-269-7613



 Signature of Applicant

*Additional Information may be attached to this form.

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Name of Board or Commission: Parks and Recreation Date: 04/05/2023
Your Name: Jason Lowry Street Address: 2874 Highway EE, Moberly, MO 65270
Phone number(s): (evening) 660-353-1851 (day) same
Email: jlowry1991@gmail.com

Do you live within the corporate limits of City of Moberly? Yes/No
How long have you been a resident of City of Moberly? over 30 years
Occupation: Project Coordinator Employer: Randolph Co Caring Community

Optional Questions (use back of application if necessary)
What experience and/or skills do you have that might especially qualify you to serve on this board or commission?

I have good communication skills, good connections to the community. I also LOVE Moberly and look forward to raising my young boys here.

What particular contributions do you feel you can make to this board or commission?
Positive public relations, and no previous commitment to the City of Moberly, so I would be a new set of eyes and ears for our population.

I will attend meetings in accordance with the adopted policies of City of Moberly, Missouri. If at any time my business or professional interests conflict with the interests of the Commission, I will not participate in such deliberations. References may be secured from the following individuals:

- 1. Brian Williams Phone: 660-263-7173
2. Roger Christy Phone: 217-242-0102
3. Dr. Randy Foster Phone: 660-263-1513

Signature of Applicant [Handwritten Signature]



Board/Commission Application Form

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Name of Board or Commission: Parks + Recreation Board Date: 04/06/23

Your Name: Sue Foster Street Address: 1401 Cedar Ridge Dr

Phone number(s): (evening) 843-217-2844 (day) Same

Email: SFoster@ASCI.org

Do you live within the corporate limits of City of Moberly? Yes No

How long have you been a resident of City of Moberly? 4 + yrs

Occupation: Plt Mgr Thomas Hill Employer: ASCI

Optional Questions (use back of application if necessary)

What experience and/or skills do you have that might especially qualify you to serve on this board or commission?

I am an Engineer w/ a MBA as far as education. I have 20-30 yrs experience managing projects + people as well as budgets

I really don't know what skill set would most benefit this board but I like learning + problem solving (Engineering habit). This makes me very adaptable + I can figure out just about anything (or at least know who to talk to)

What particular contributions do you feel you can make to this board or commission?

Not having lived here my whole life I believe I might be able to provide a fresh perspective. I would like to learn more about public service + how to more actively help out the community in which I live. So this would provide me the opportunity to grow

I will attend meetings in accordance with the adopted policies of City of Moberly, Missouri. If at any time my business or professional interests conflict with the interests of the Commission, I will not participate in such deliberations. References may be secured from the following individuals:

- 1. Jason St Claire Phone: 593-489-5513
2. Paul Samp Phone: 660-676-8057
3. Donne Davidson Phone: 660-651-7938

Signature of Applicant

*Additional Information may be attached to this form.



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Name of Board or Commission: Moberly Parks and Rec Date: 4/14/2023
Your Name: Zach Richardson Street Address: 1116 Bradford Circle
Phone number(s): (evening) 660-676-4599 (day) 660-269-2690
Email: zrich1989@yahoo.com

Do you live within the corporate limits of City of Moberly? Yes / No
How long have you been a resident of City of Moberly? 10 years
Occupation: Instructor @ Moberly Area Technical Center Employer: Moberly Public School District

Optional Questions (use back of application if necessary)

What experience and/or skills do you have that might especially qualify you to serve on this board or commission?

I am the league manager for the Moberly Midget League
I have worked with the MP&R staff for the last 5 years as the MML league manager

What particular contributions do you feel you can make to this board or commission?

I feel I can offer a perspective to the MP&R board as a parent with kids in youth programs, as a Youth League manager and as a frequent user of the park.
I am a former employee of the MP&R

I will attend meetings in accordance with the adopted policies of City of Moberly, Missouri. If at any time my business or professional interests conflict with the interests of the Commission, I will not participate in such deliberations. References may be secured from the following individuals:

- 1. Aaron Vitt Phone: 660-353-1352
2. Mike Mattox Phone: 660-651-8855
3. Jim Cooksey Phone: 660-651-7659

Zh Rllh
Signature of Applicant

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