

Greene County is soliciting bids for Xybix brand workstations for the 9-1-1 Center. This project will involve removal of the existing workstations, installation of new workstations and new floor carpet tiles as specified on the following pages. All workstations must be compliant with ANSI/HFES 100-2007 standards. Bidders should rely on the diagram pages, beginning on page 11, for details of specific items and layout. The Specifications Section provides additional guidance. Bidders may schedule a walk-through of the facility by calling 518-622-3643 ext. 101.

Proposals shall state lead time as well as an installation timeline. During installation, the dispatch staff will be operating from a remote location so installer will not have to work around operating personnel. The final installation timeline dates will be agreed upon by both Greene County and the approved contractor.

1. **SPECIFICATIONS** - Sit-Stand Adjustable Height Workstations

Adjustable Height Workstations

Stability – Function

Requires completely separate *independent electric floor supported, adjustable* work surfaces for both monitor and keyboard.

Console must demonstrate stability at full extension. Maximum deflection of ½” is allowed when a horizontal load of 100 lbs. is applied to the center of each work surface.

Each work surface (input and monitor) shall have a separate lifting equipment weight capacity of 300lbs. minimum which does not include weight of worksurface.

Console must meet Operator Clearance requirements of ANSI/HFES 100-2007

Keyboard/Input Surface - Sitting/Standing

Keyboard Surface height requirements are considered paramount to proper ergonomic positioning. Proposer must clearly identify the height range of the keyboard/input surface and submit drawings illustrating adjustment range of product proposed for this project.

Keyboard surface shall have **static** load capacity of 500 lbs to prevent damage from users sitting / leaning on or using the surface as an aid in standing.

Keyboard surface must *lower* to 5th percentile *seated female* elbow height dimension (22") according to ANSI/HFES 100 -2007 from the floor to the top of the keyboard surface.

Keyboard surface must *raise* to at least *standing elbow height* for 95th percentile male user (46.5") from the floor to the home row of keyboard. ANSI/HFES 100 - 2007

Keyboard Surface **width** must accommodate three keyboards or other input devices and still provide room for note taking on either right or left-hand side

Keyboard surface must be separately electrically adjustable with electronic controller having digital readout in one (1) cm increments to enable precise position replication and must have provisions for connection to network/computer for software used to control console from computer/device.

Monitor Surface - Sitting/Standing

Monitor Surface height requirements are considered paramount to proper ergonomic positioning. All proposers must clearly identify the adjustment range of the monitor surface and submit drawings illustrating adjustment range of product proposed for this project as well as the monitor mounting.

Monitor Surface must *lower* to allow positioning of monitor so that the gaze angle of the 5th percentile seated female to the center of the screen ranges between -15° and -25° from horizontal eye level. (ANSI/HFES100)

Monitor Surface must *raise* to 48" to allow positioning of monitor so that the gaze angle of the 95th percentile standing male to the center of the screen ranges between -15° and -25° from horizontal eye level (69¼") using a 22" monitor

Monitor Surface must be wide and deep enough to accommodate three monitors wide and stacked two-high for a total of six LCD flat panel monitors.

monitor surface must be able to lower below the keyboard surface to maintain proper viewing angles for most users.

Monitor surface must be separately electrically adjustable with electronic controller having digital readout in one (1) cm increments to enable precise position replication and must have provisions for connection to network/computer for software used to control console from computer/device.

Monitor surface must be engineered to anticipate the possibility of technicians needing to stand or kneel on console to service equipment and shall be capable of supporting a 500 lb. static load.

Adjustment Devices

Adjustment speed to be minimum 1.5"/second.

Independent keyboard surface to be separately adjustable with electronic controller.

Manually operated controller shall not be located where it can be damaged by chair arms. Location under front edge of keyboard surface is unacceptable. Option of digitally integrated control system to provide secondary source for height adjustment controls. System to have ability to save unlimited number of users' desired heights and personal control adjustments.

Safety finger clearance of 1½" minimum between stationary returns and moving surfaces or between moving surfaces of double surface tables is required.

Controller system shall include collision detection technology which will detect sudden changes in load to identify obstructions in the path of the moving surface. Collision detection technology to cause work surface to stop on detection of obstruction and reverse direction approximately 10cm to avoid entrapment of obstruction. Collision detection shall function in both upward and downward directions.

Laminate – Console Tops and Side Surfaces

Keyboard, Monitor and fixed height surfaces must be non-glare, 3-D Laminate.

Edge shall be continuous from top through to the bottom of the surface.

Front edge shall be a chamfer style edge.

No seams between laminate and edge will be acceptable.

No edge banding or T-Mold edging will be acceptable.

Laminate surfaces to be fully balanced construction with Greenguard certified laminate on top surface and Greenguard certified backer sheet on bottom.

Backer sheet on the bottom of the surface must be a light color to improve visibility for technicians.

Laminate – CPU Cabinets, Drawer Pedestals and other casework

Casework shall be laminated in standard colors, 3/4" thickness finished both sides. Doors will be laminated with continuous face through edge material.

Cut edges, where exposed, shall be covered with edge banding, T-mold or sprayed sealant to encapsulate particle board core and limit formaldehyde emissions.

Console Control Electronics

All electronic control boxes which power the height adjustment of the surfaces shall be mounted in easily accessible location for trouble shooting. Dispatchers and service technicians shall not be required to crawl under consoles and look up at the bottom of the surface.

All console control electronics shall be labeled for easy identification. This include cables, electric boxes and pathways.

Drawer Pedestals

Drawer Configuration – 18 inch wide, 22 inch deep

All drawers to have full extension 100lb rated - soft close - steel ball bearing drawer slides.

Drawer pedestals shall have gang locking mechanism with master keyed removable core locks.

Each pedestal to include pencil tray insert and side filing conversion bar with capability to hang letter or legal size hanging files.

Acoustical Panel System – *Specified to provide for cable management, visual separation of tasks and both sound barrier and sound absorptive functions. Consoles without panel divider systems do not meet base bid requirements.*

Panel frames shall be minimum 14 ga. cold rolled steel – with powder coat paint finish and slotted uprights to support components at 1” centers or equal.

Internal Cable management within the panel frame system is required. Bidder must state panel frame internal Ethernet cable capacity.

Stackable panel frames - Panel heights shall be vertically modular - The system shall be constructed in a manner to allow additional 18” segments to be “stacked” on base panel frames to change panel heights for future change or reconfiguration. “Stackable” components shall meet all specifications of 3.1.10

Panel Top Caps - Flush mounted design to be removable without tools. Top caps shall be available in standard powder coated aluminum.

Panel Segments are to be user removable/replaceable without tools. Segments construction - 22 ga. Min. cold rolled steel casing - Class A interior finish flame spread/smoke developed certification.

Acoustical panel construction – All panel segment tiles above the worksurface height shall be of acoustical construction. Acoustical panels shall have 22 ga. min. Cold rolled steel casing with ½” compressed formaldehyde-free fiberglass insert and shall have a minimum .75 NRC (noise reduction coefficient) rating and a Class A flame spread/smoke developed certification.

Cable Management

Cable pathways must be easy for the tech to access from the front of the console. Consoles which require rear access will not be considered.

Monitor and keyboard cables must have separate pathways from the computer to the end point.

Cable entry path from computer cabinet to the console must have opening large enough for all cables and a hand to fit through. Minimum of 2.5” in height by 10” wide.

Cable bridge shall support cables from cabinet to console. Must have separate pathways for low voltage and high voltage.

Cabling shall be guided from CPU cabinet or panel enclosure to the monitor surface of the adjustable table in an energy chain with easy flip-up cable channel access.

Keyboard cabling shall be guided from cable bridge through energy chain to keyboard surface.

Cabling shall be guided through a 3rd energy chain from the back of the monitor surface to the focal depth platform to keep cables organized during focal depth adjustments.

“J” Channel under the monitor surface shall have enough internal room to hold all the cables and any power transformers. “J” channel around back of monitor surface aligned with grommets for management of cables / transformers and cable connections.

Supplier shall provide premium quality extension cables as required to connect monitors, keyboards, mice and all devices to CPUs.

CPU Enclosures

CPU enclosures shall be available in sizes to accommodate mini-tower cases up to 8” wide x 18” high

CPU enclosures shall be a minimum of 29” deep (deeper is preferred) in order to accommodate CPUs and cabling.

CPU enclosure shall have at a minimum of two of the three front, rear and top access points depending on layout.

Work surface height CPU enclosures shall have option for the surface top to be hinged at the back and fold up to a safe resting position against the panel system. This provides top access to the back of the computers.

CPU enclosures shall be available in vertical “technology tower” or horizontal under the work surface configurations.

CPU enclosures shall have an internal motion sensing LED service light as standard equipment.

CPU enclosures shall be equipped as standard with active ventilation using a minimum of two (2) quiet, 28db (decibel) 45 cfm exhaust fans to keep electronic equipment cool.

CPU enclosures shall not be located underneath a height adjustable surface due to potential crush zones.

CPU enclosures shall be tested for strength and durability to ANSI/BIFMA X5.9-2012. Respondent shall include copies of independent test laboratory results indicating compliance with ANSI/BIFMA X5.9 – 2012. Attach test results to Appendix D Compliance Table.

Supplier shall provide premium quality extension cables as required to connect monitors, keyboards, mice and all devices to CPUs.

Personal Controls

Personal controls shall operate fan, LED task lights, heaters, LED RGBW lights for the following: Bias lighting, footwell lighting, panel system lighting, and monitor arc lighting.

PC human interface can be accessed through a Windows 11 device. Additional methods of PC interface shall be through a android tablet, or both Android and Apple devices.

Integrated control system shall be downloadable for Windows 11 or through appropriate app store.

LED RGBW light controls with presets for up to four lights to include: panel system acrylic, footwell lighting, down bias lighting, and arc acrylic lighting. Each of these is an option and not required.

Integrated control system shall incorporate a motion detector which will shut down all selected functions when workstation is unoccupied for fifteen (15) minutes. All previously selected functions will resume when motion detector senses movement in the workstation.

Desktop Airflow shall allow the user to select the airflow rate delivered to the desktop area through one desktop fan/filter unit. Fan speed shall be user selectable from no airflow to a maximum of no less than 50cfm. per fan.

Two LED task lights shall be at each station. Light shall be dimmable and have 2 arm adjustment for user comfort.

Status Indicator “Help” Light shall be controlled via integrated control system.

Two, 250-watt forced air heaters located under the monitor surface shall be provided. Heaters must be able to rotate to blow heat on hands or feet. Heater to be controlled by a switch on the integrated software system.

Adjustable Monitor Rack

Parabolic monitor rack shall be curved to match the cockpit shape of the workstation and achieve as close to equal focal lengths from the user’s eyes to the face of each monitor as possible and also position monitors for a view angle perpendicular to the screen.

Parabolic monitor rack shall be available in various sizes to accommodate up to 50” monitors and an individual weight of 70 pounds on a single or dual level.

Monitor rack platform shall be mounted on a movable platform which will permit a 10” focal length adjustment – from 19.7” (50cm) to 29.7” (75cm) with a maximum of 5 lbs. push/pull effort required to move all monitors simultaneously.

Mounting rail shall permit unrestricted horizontal adjustment of LCD mounts anywhere on the rail.

Quick release monitor mounts shall allow removal of monitors from the front of the station. An appropriate length service loop of the cables lets the tech remove monitors and set them on the keyboard surface for a quick swap when needed.

LCD mounts shall provide for all VESA monitor mount sizes.

LCD mounts shall adjust 8” vertically to allow centering dissimilar monitor sizes on horizontal rail.

Monitor rack shall be designed to permit “stacking” of a single monitor up to a complete additional row without removal or disassembly of any existing monitors or any portion of the base unit.

Monitor rack shall have simple and clean cable management on the back.

Vendor shall supply premium quality cable extensions as required to reach CPUs in CPU cabinets and provide adequate length to extend CPUs for service.

Keyboard Surface Data Connection Center (KSDCC)

A KSDCC shall be located along the back edge of the keyboard surface to provide an easy, instantly accessible location to plug in keyboards, mice and touch screen monitors if so equipped.

The KSDCC shall have at least eight (8) locations which can be configured with either USB or PS2 ports, two (2) locations for RJ11, RJ45 or DB9 ports.

The KSDCC shall incorporate an integral wire management channel along the back side of the keyboard surface to provide a place for mouse and keyboard cables to be stored and easily retrieved by the user to re-position keyboards or mice for either right or left hand use and to prevent cables from hanging down into knee/foot space.

Vendor shall supply appropriate number of extension cables of sufficient length to reach CPUs with each KSDCC specified.

Environmental

GREENGUARD Gold Certification for indoor air quality/emissions must be for the entire console. <http://www.greenguard.org>. Please provide copy of certification in your response.

Manufacturing Lead Time

Based on the information provided, please identify the manufacturers lead time for manufacturing and delivery of this product to the Greene County 911 Center, in Cairo NY.

2. Floor Carpet Tiles:

Supplier will remove existing carpet tiles on the raised floor and replace with new tiles of the type commonly used in 911 centers. Bidder shall provide detailed information in their bid response as to type and quantity of carpet tiles they propose.

OTHER PROJECT CONSIDERATIONS

Proposal should itemize Materials and Labor separately for both the Workstations component and the Carpet Tiles Component.

All proposals shall include freight and installation.

Supplier must provide sufficient manpower to complete the installation within the designated time frame.

Supplier will be required to submit EEO staffing forms and Vendor Responsibility Profile as well as attesting to comply with the county's sexual harassment policy and Civil Rights act requirements.

Labor for this project is subject to prevailing wage requirements of the State of New York. Installation must be coordinated with the county's designated Project Manager, Buildings and Grounds personnel, County IT contractor, and Electrician.

All materials, tools, equipment and trash must be removed from project site, or secured on-site, each day.



| TABLE OF CONTENTS | |
|-------------------|------------------|
| PAGE # | PAGE NAME |
| 1.0 | COVER PAGE |
| 2.0 | FLOOR PLAN |
| 3.0 | TYPICALS |
| 4.0 | ELEVATION |
| 5.0 | CARPET PLAN |
| 10.0 | FINISH SELECTION |
| 11.0 | CABLE SHEET |

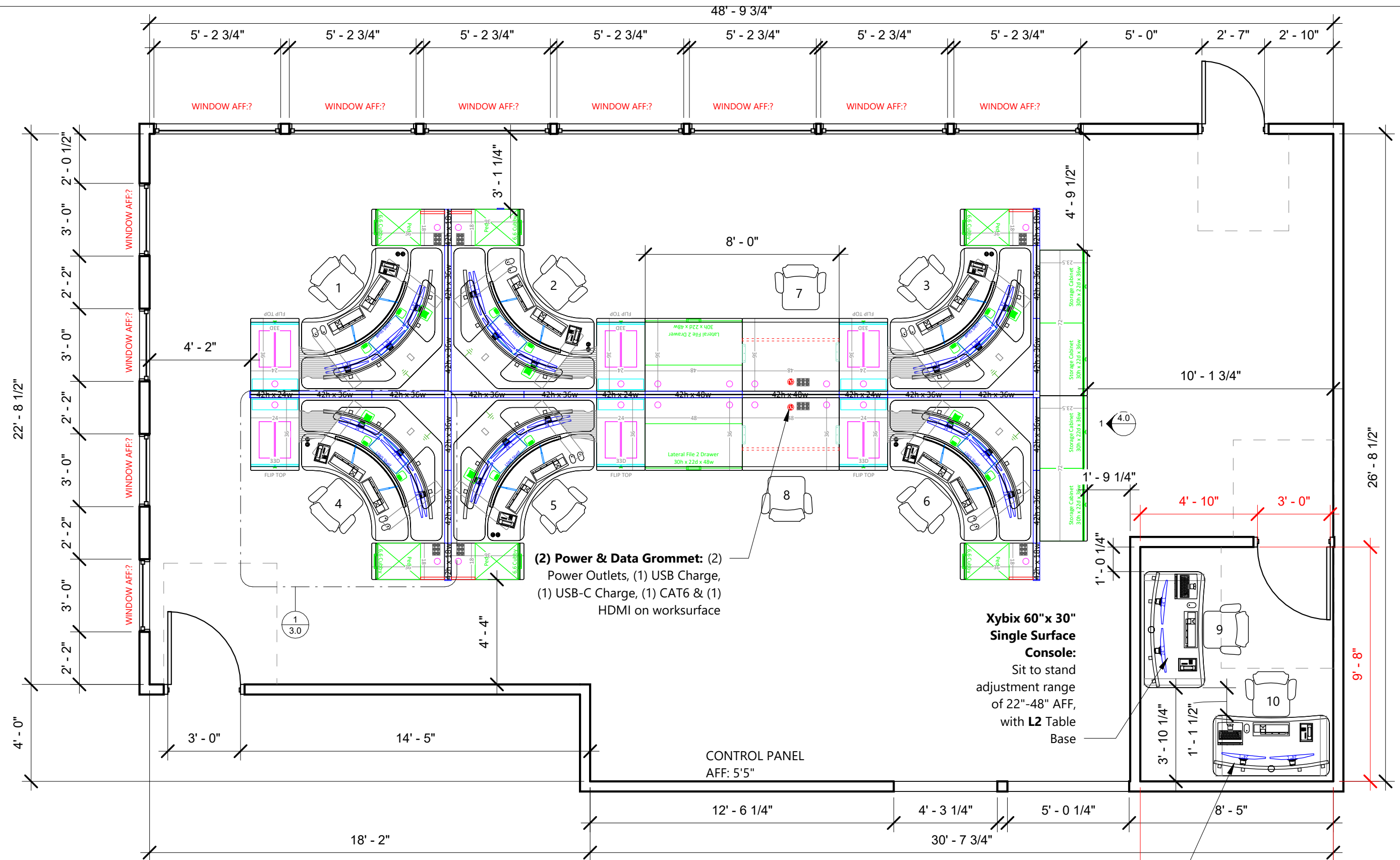
| TABLE OF CONTENTS | |
|-------------------|-----------|
| PAGE # | PAGE NAME |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| REVISIONS | | DATE | DESIGNER |
|-----------|-------------|------|----------|
| REV | DESCRIPTION | | |
| 0 | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| | | | |
| | | | |

Drawing Name:
COVER PAGE

SHEET: 1.0 SCALE: 12" = 1'-0"

Sign-Off Initials:
x_____



(2) Power & Data Grommet: (2) Power Outlets, (1) USB Charge, (1) USB-C Charge, (1) CAT6 & (1) HDMI on worksurface

Xybix 60" x 30" Single Surface Console:
 Sit to stand adjustment range of 22"-48" AFF, with L2 Table Base

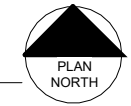
CONTROL PANEL
 AFF: 5'5"

Fixed Monitor Mounting System: Accommodates the following monitors left to right:
Top Row: n/a
Bottom Row: 24", 24",
 Note: Placement of mounting system will be determined by customer on site during installation. Cables: ? No CPUs

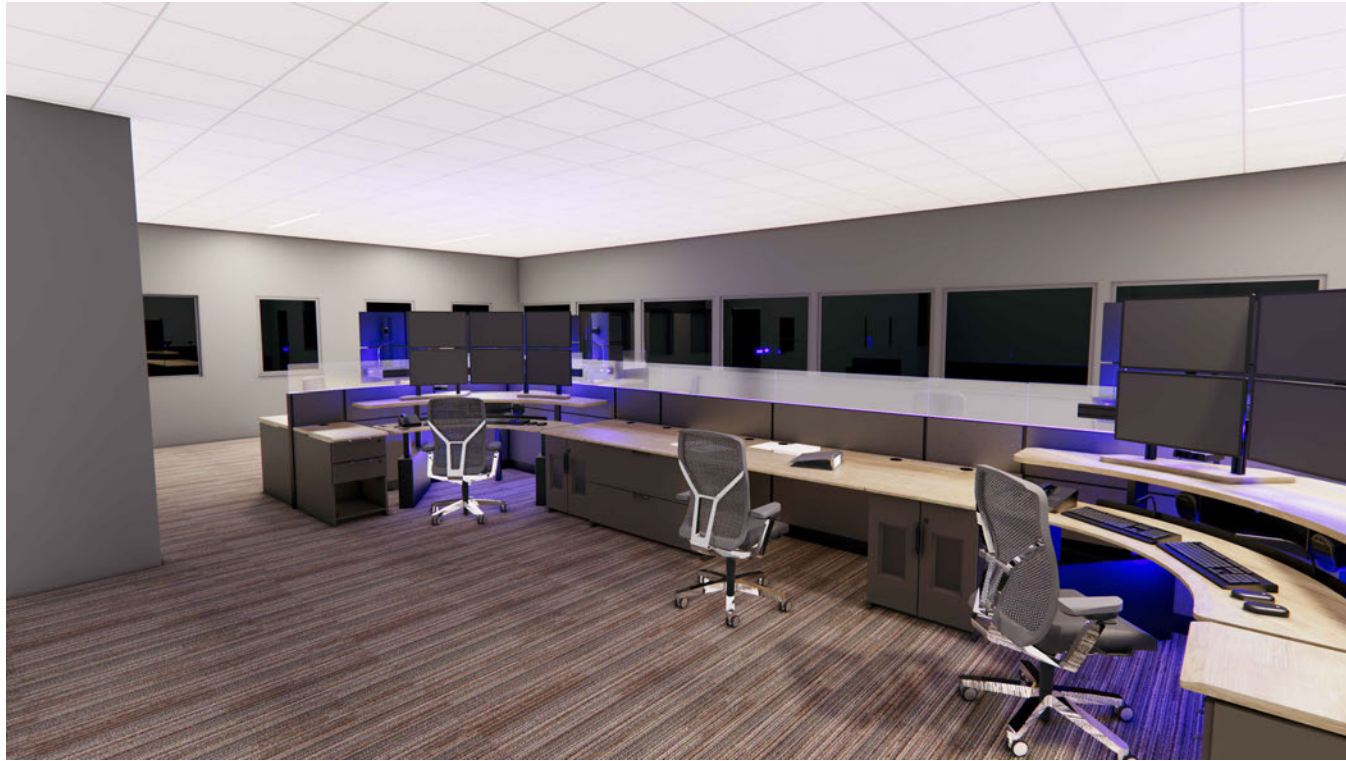
CEILING HEIGHT: Edge of The Room 8'7", Center 13'1"
 POWER/DATA COMING FROM: RAISED FLOOR

1 FLOOR PLAN
 1/4" = 1'-0"

| | |
|-----------------------------|--------|
| Drawing Name: FLOOR PLAN | |
| SHEET: 2.0 | SCALE: |



x _____



option 2-
 work surfaces: Riviera Oak Mistral
 cabinet fronts: Matte folkstone

Shift
 64504 Mushroom
 Performance Fabric

| | |
|--------|--------|
| SHEET: | SCALE: |
| 2.1 | |

Xybix 72"x 72" Dual Surface Console:
Sit to stand adjustment range of 22"-48" AFF,
with L5S Table Base

Grounding: R56

10"H Lit Acrylic Panel: Attached to top of panel
system

24"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) Form Factors per position

Dims TBD XX"W x XX"H x XX"D

Cable Management Bridge: Cable organization from
desk to CPU Cabinet

"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"

Single Metal Shelf: Under monitor surface, with grommet & (1)
Power-only USB, (1) USB-C and (1) Power Outlet. 19"W x 5 1/4"H x 9"D

Datadock: Keyboard surface cable organizer, accommodates
the following: (8) USB Ports & (1) CAT6 Port

18"W Drawer Pedestal: 6", 6" drawers, 12" cubby

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.

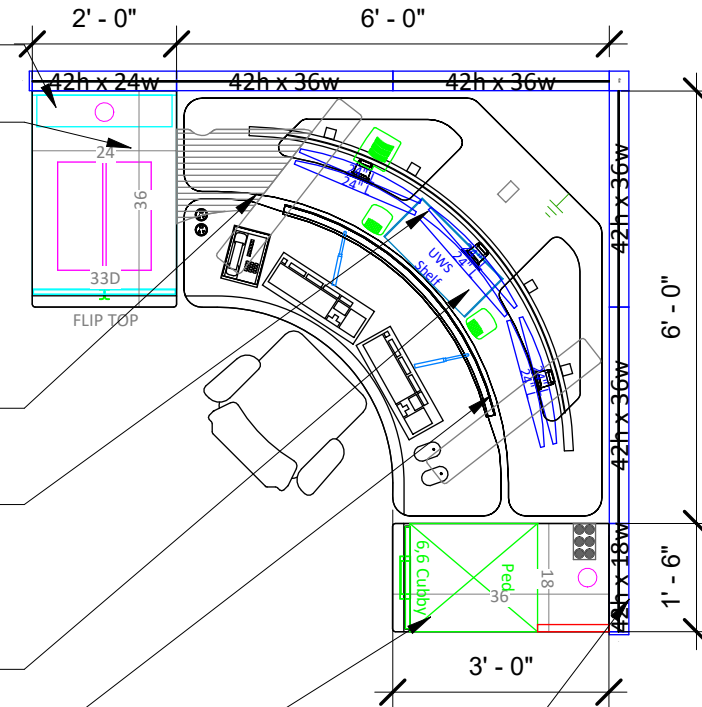
Footwell Lighting

Down Bias Lighting

Arc Lighting

**6 speakers (4" x 6") to be mounted: Location TBD
Need Model #**

42"H Panel System: .75NRC Rated sound absorption
All top Int. and Ext. Tiles

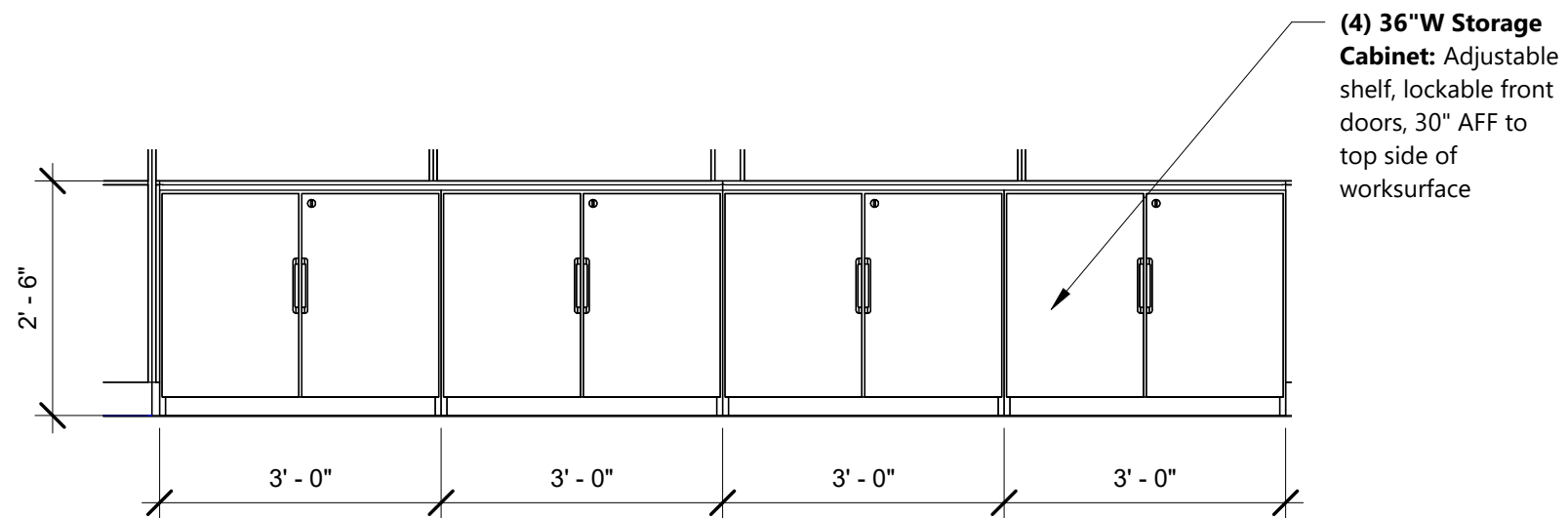


1 TYPICAL WORKSTATION
3/8" = 1'-0"

Drawing Name:

SHEET:
3.0

SCALE:



① STORAGE ELEVATION
1/2" = 1'-0"

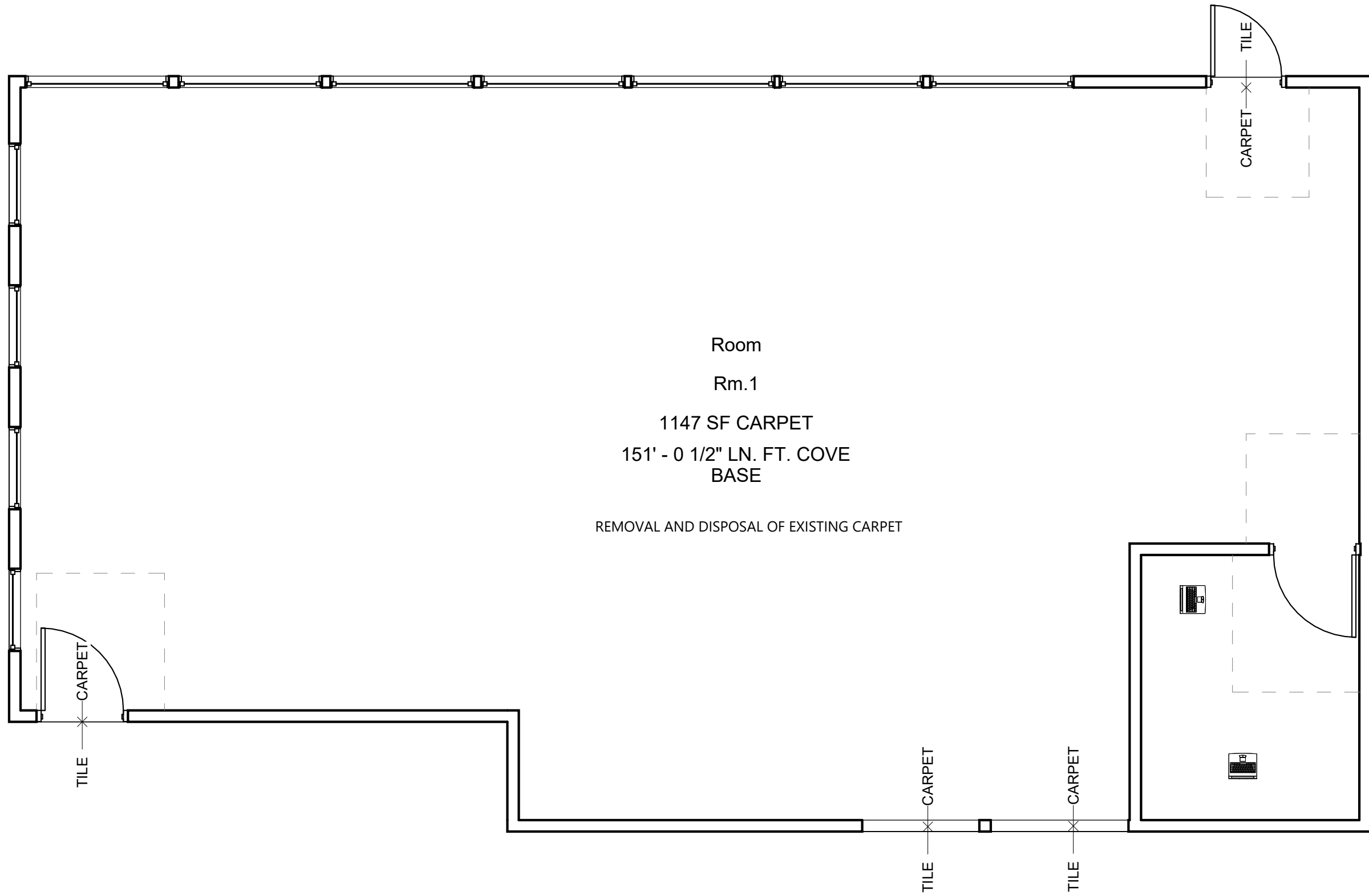
Carpet Opp:

Drawing Name:
ELEVATION

SHEET:
4.0

SCALE:

x _____



Room
Rm.1
1147 SF CARPET
151' - 0 1/2" LN. FT. COVE
BASE

REMOVAL AND DISPOSAL OF EXISTING CARPET

① CARPET PLAN
1/4" = 1'-0"

Opportunity:

Carpet Opp:

Drawing Name:

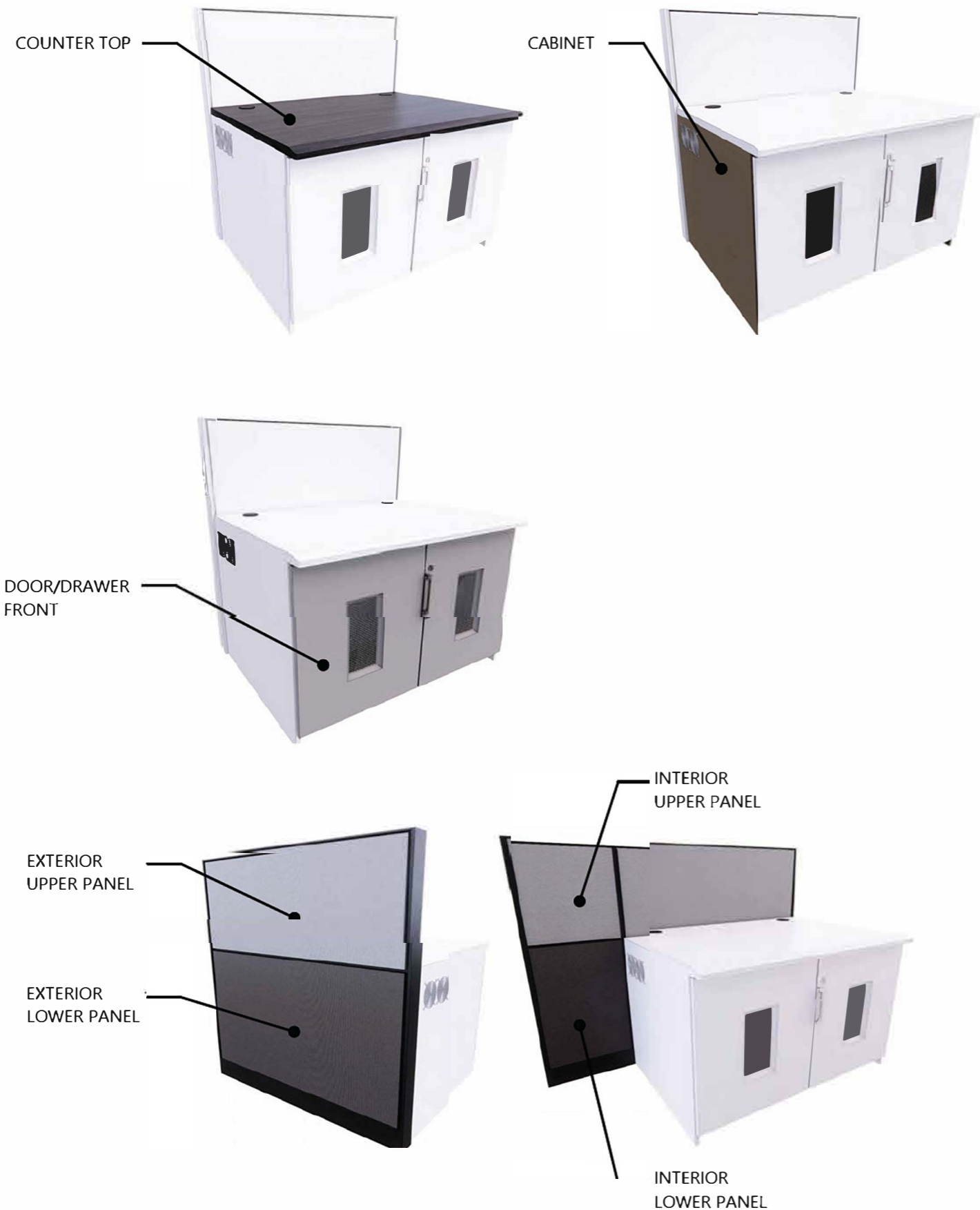
CARPET PLAN

SHEET:

5.0

SCALE:

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> |
| | | | |
| | TBD | | SILVER |
| <u>Interior Lower Panel</u> | <u>Exterior Lower Panel</u> | <u>Cabinet</u> | <u>Door/Drawer Front</u> |
| | | | |

CARPET SELECTIONS

Carpet : Salt Lake
 Cove Base : .
 Installation Method : .

| | | |
|---------------|------------------|----------------------------|
| <u>Carpet</u> | <u>Cove Base</u> | <u>Installation Method</u> |
| | | |
| SALT LAKE | TBD | TBD |

G n C urby 1
10 lun er D v
e ro. NY 1 415

Drawing Name:
FINISH SELECTION

SHEET: 10.0 SCALE: 3/8" = 1'-0"

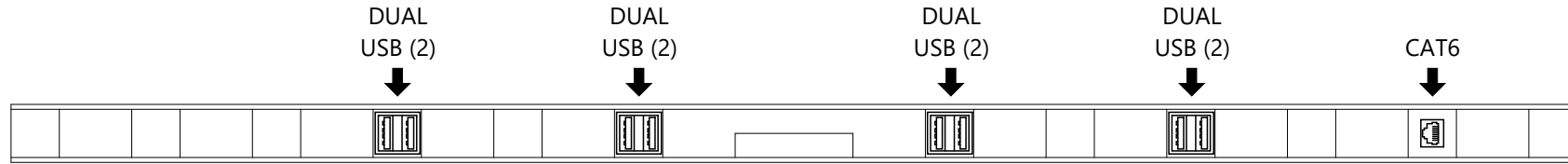
NOTE: This design & layout is the property of XYBIX Systems, Inc. & is not to be used in any written manner without express written permission by XYBIX Systems, Inc.

Sign-Off Initials:
x_____

CABLE EXTENSIONS (PER POSITION)


POSITION(S) TYPE: WS 1-5

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



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 | | | | 4 EA |
| CABLE TYPE |  Display Port Male / Male Extension Typical for Hi-Resolution |  Display Port to Mini Display Port |  USB |  AUDIO Typical for Speakers |
| QUANTITY | 2 EA | | | |

| 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 |
|--------------------|--|--|---|
| QUANTITY | 8 Total | N/A | 1 Total |

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.

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 | | | | |

Drawing Name:

SHEET: 11.0

SCALE:

Sign-Off Initials:

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: _____

x _____