



# COLLIN COUNTY

Office of the Purchasing Agent  
2300 Bloomdale Road  
Suite 3160  
McKinney, Texas 75071  
[www.collincountytx.gov](http://www.collincountytx.gov)

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## ADDENDUM No. Three (3)

### Surveillance Camera Systems RFP No. 2019-131

Effective: July 25, 2019

You are hereby directed to make changes to the Request for Proposal in accordance with the attached information:

**Delete:**

Attachment A – Requirements - Revised

**Replace with:**

Attachment A – Requirements – Revision 2 (Changes made in red)

**Delete:**

Attachment C – Pricing Sheet

**Replace with:**

Attachment C – Pricing Sheet – Revised (Changes made in red)

**Delete:**

Attachment D – Surveillance Camera Systems Drawing Set

**Replace with:**

Attachment D – Surveillance Camera Systems Drawing Set - Revised (Revisions are clouded)

**Add:**

Attribute line 1 – Addendum No. 3

Please note all other terms, conditions, specifications drawings, etc. Remain unchanged.

Sincerely,  
Michalyn Rains CPPO, CPPB  
Purchasing Agent

Reference Number	<p><b>IMPORTANT INFORMATION:</b></p> <p>Requirements that require a detailed response shall be submitted as an attachment titled "Detailed Response to Requirements". The responses shall be in order and include the reference numbers within this document. Acknowledgement of response on this sheet is required and reference of location of response shall be referenced in the comment section of this document.</p> <p>Any responses that are answered as a yes mean that the system will fully comply with no setup required, configurable with no changes to source code, or are provided with reporting tool. If the functionality is not available at this time the response shall be answered as no and shall be included in your proposal as "exceptions" with further explanation. Refer to Section 7.0 of the specifications for more details on Exceptions.</p>	<p><b>Yes</b></p> <p>System currently performs these functions and/or agree to requirement</p>	<p><b>No</b></p> <p>System does not perform this function and/or cannot agree to requirement</p>	<p><b>Written Response:</b> Include additional comments below.</p> <p>If you need additional space please include with your submittal an attachment titled "Detailed Response to Requirements" and note accordingly below.</p>
<b>5.22</b>	<b>GENERAL REQUIREMENTS</b>			
5.22.1	Provide a complete project, including but not limited to County specifications, design, ordering, delivering, installing (with coordination and assistance from Collin County's Information Technology department), and testing of the surveillance camera system described herein.			
5.22.2	Responsible for production, implementation, documenting and warranting all systems and applications proposed.			
5.22.3	Perform all tasks necessary to integrate surveillance cameras with Milestone software and the Collin County network with coordination and assistance from Collin County's Information Technology department.			
5.22.4	Meet with all relevant stakeholders to gather the information necessary to complete all final configurations of design for all systems and applications that may be a part of any contract resulting from this RFP.			
5.22.5	All purchased equipment and materials shall be new, never used or refurbished. All equipment, components, materials and software provided shall be the latest models and versions and shall conform to current applicable industry standards. Defective or damaged equipment and materials shall be replaced or repaired, prior to final System Acceptance, in a manner that meets the approval of Collin County and at no additional cost.			
5.22.6	The Contractor shall be responsible for providing any additional hardware, software, or service necessary to provide specified functionality.			
5.22.7	Contractor shall conform with model numbers listed in Attachment C - Pricing Sheet and confirm that all model numbers stated within the pricing sheet are of current manufacture. Any models to be found obsolete, discontinued, or updated with a newer version, contractors shall propose a replacement or substitution model for approval by submitting Attachment G - Product Substitution request form at least ten (10) consecutive calendar days prior to proposal due date. Substitution forms shall be submitted to Courtney Wilkerson, cwilkerson@co.collin.tx.us and J.D. Griffin, jgriffin@co.collin.tx.us. If the substitution is approved, such approval will be set forth in an Addendum.			
5.22.8	Does your solution require third party software? If yes, explain.			
5.22.9	Provide brochures and manuals including technical specifications as well as specific descriptions of the operation of hardware and software applications referenced in this RFP.			
5.22.10	Describe how you plan to keep Collin County up to date on current changes and operating systems, during the term of the contract.			
5.22.11	Describe any additional technologies, features, or functionalities offered by the Contractor and a statement of what enhancements or efficiencies those technologies include.			
5.22.12	Outline system capacity, performance and application processing benchmarks.			
5.22.13	Contractor is required to make an inventory of all the existing surveillance equipment, demo all surveillance equipment and transfer the equipment with a written transmittal to Facilities Maintenance.			
<b>5.23</b>	<b>FUNCTIONAL REQUIREMENTS</b>			
5.23.1	Provide the County with system administration to define and setup different security levels (e.g. inquiry, update, etc.) based on each user's job role.			
5.23.2	Contractor shall provide manufacturer Axis Hardening guide requirements for our Enterprise environment.			
<b>5.23.3</b>	<b>REQUIREMENTS FOR SURVEILLANCE CAMERAS</b>			
5.23.3.1	Collin County intends to manage all surveillance cameras from their respective Video Management Server, using the Milestone software. Therefore, the cameras shall allow settings in Milestone to override any and all settings in the camera, including the factory default settings. All camera functionality shall be controlled with camera settings stored in Milestone software.			
5.23.3.2	Camera licenses required for use on Milestone software shall be provided by the Contractor for each camera installed.			
5.23.3.3	Power over Ethernet ("PoE") Cameras. All surveillance cameras shall receive all operational power from the ethernet cable to which they are attached to PoE switches of County standard. This RFP does not accept any other method of powering surveillance cameras unless cable distance is a factor. Approval for non PoE switches shall take place prior to install and be authorized by authorized County personnel.			
5.23.3.4	All surveillance cameras shall be set for variable bit rate (VBR) capability.			
5.23.3.5	All surveillance cameras offered shall be set to 1920x1080 resolution capability or better as deemed fit for the area of surveillance.			
5.23.3.6	If cameras offer the zipstream technology to cut storage bandwidth then this feature shall be used.			

5.23.3.7	The Contractor shall recommend motion detection sensitivity ranges on the surveillance cameras as well as in Milestone that balance in motion image capture against network load and archival storage used for the Tax Office.			
5.23.3.8	The Contractor shall setup 24 hour surveillance cameras, as well as in Milestone, only for Minimum Security that balance image capture against network load and archival storage use.			
5.23.3.9	All surveillance cameras offered shall have day and night operational capability.			
<b>5.23.4</b>	<b>SPECIFIC REQUIREMENTS FOR AUDIO RECORDING</b>			
5.23.4.1	All Surveillance Cameras that include microphones and provide the audio stream from the microphones to Milestone for recording, shall be in synchronization with the video streaming recording camera for that area.			
<b>5.24</b>	<b>TECHNICAL REQUIREMENTS</b>			
5.24.1	Provide system redundancy built into the proposed system to account for hardware failure.			
<b>5.24.2</b>	<b>REQUIREMENTS FOR ATTACHING SURVEILLANCE CAMERAS TO THE COLLIN COUNTY NETWORK</b>			
5.24.2.1	All projected surveillance cameras installed by contractor shall terminate in the nearest Data Room using Cat6e plenum rated cable and shall reside on the Collin County network. Cat6e cable shall be provided by the Contractor. There will be no home runs, but have female terminations at each end. <del>Contractor shall supply</del> two (2) foot Panduit patch cables <del>will be provided by the County</del> from the camera to the female run connection. All runs to the data room shall terminate at patch panel. Then from patch panel to the switch shall be a green jacket Cat6e cable.			
5.24.2.2	All cables, runs, and terminations shall be according to County standards and shall be provided by the Contractor.			
5.24.2.3	All in-ceiling cable runs shall be run through cable supports. If there are no existing cable supports the Contractor shall be responsible for installing cable supports (J-Hooks).			
5.24.2.4	Any exposed cabling in finished spaces shall be in conduit provided by Contractor and such work needed will be confirmed by a Collin County Representative.			
5.24.2.5	The Contractor shall configure all software or hardware used to connect surveillance cameras to the Collin County network and work with the County I.T. department to obtain IP network ranges.			
5.24.2.6	The McKinney and Frisco locations will each need a recording server added to existing Milestone VMS to handle the local recording of the cameras. The Contractor shall provide County standard Dell Servers. The Tax Office requirements shall be motion detect with at 15fps for 7 (seven) day local recording server retention then passed to our NAS for 49 day storage. The hard drives shall be setup in a RAID 1 array. The Operating System shall be Microsoft Server 2012 R2.			
5.24.2.7	The McKinney, Frisco, and Minimum Security locations will need a Cisco switch. Two (2) of the new switches shall be installed in Frisco and the existing switch at Frisco will move to Minimum Security for use. Refer to Attachment C - Pricing Sheet for a list of items requested.			
5.24.2.8	The Minimum Security location will need a standalone network server to handle the local recording of the cameras. The Contractor shall provide County standard Dell Servers. The Minimum Security requirements shall be continuous recording at 15fps saved on the server for 45 days retention. The hard drives shall be setup in a RAID 5 array. The Operating System shall be Microsoft Server 2016 Standard and shall have the latest Milestone VMS and Recording server installed using the existing County software license code.			
5.24.2.9	Contractor shall agree to requirements outlined in Attachment B - Network Cabling General Requirements.			
<b>5.24.3</b>	<b>SYSTEM INSTALLATION AND TESTING PLANS</b>			
5.24.3.1	Install, configure, test and make operational the Camera system in Collin County's environment.			
5.24.3.2	Provide a checklist for system testing. This is a test for system operations, features, application integration, etc.			
5.24.3.3	Thoroughly test entire system. For system acceptance testing, the Contractor shall provide a test plan to verify that the system has performed to functional requirements.			
5.24.3.4	Enter all system, user and application database(s) into the appropriate systems and testing them comprehensively with coordination and assistance from Collin County's Information Technology department.			
5.24.3.5	Provide Collin County with a comprehensive, final detailed system configuration, of the Surveillance Camera System and all associated application systems prior to start of system installation and in accordance with an agreed upon delivery schedule reviewed and approved by Collin County.			
5.24.3.6	All purchased equipment and materials shall be new, never used or refurbished. All equipment, components, materials and software provided shall be the latest models and versions and shall conform to current applicable industry standards. Defective or damaged equipment and materials shall be replaced or repaired, prior to final System Acceptance, in a manner that meets the approval of Collin County and at no additional cost.			
<b>5.24.4</b>	<b>IMPLEMENTATION REQUIREMENTS</b>			
5.24.4.1	Supply a Project Manager who will work with Collin County departments for the duration of this project.			
5.24.4.2	Contractor shall be onsite for the week of go-live, supply enough personnel to cover go-live activities and be available in the event that an equipment malfunction occurs.			
<b>5.24.5</b>	<b>TRAINING REQUIREMENTS</b>			
5.24.5.1	Onsite system and user training shall be provided by the contractor to Collin County personnel.			
5.24.5.2	Provide detailed system documentation that describes all system administration functions.			
5.24.5.3	Provide Collin County with an electronic copy of documentation to all hardware and software tasks accomplished to making camera system function.			
5.24.5.4	Develop and conduct training programs specifically designed for the system(s) being installed, including system administration, reporting, recordings, etc. and fine-tuning application database(s) prior to production implementation.			

5.24.5.5	Contractor shall walk Collin County through process for setting up user roles. (i.e., support staff, management staff, and system administration staff).			
<b>5.24.6</b>	<b>MAINTENANCE/WARRANTY/SERVICE RESPONSE REQUIREMENTS</b>			
5.24.6.1	The warranty period shall begin upon acceptance of the work.			
5.24.6.2	During the warranty period and during any subsequent Contractor-provided maintenance period, Contractor shall provide replacement of defective equipment/components with new equipment/components that is functionally and aesthetically equivalent to new. Such replacement of equipment/components shall be of equal or greater performance characteristics, engineering/design levels, and appearance of replaced equipment/components.			
5.24.6.3	Warrant that hardware, provided by the Contractor will function properly on Collin County supplied equipment and software, and operate with the Collin County network configuration.			
5.24.6.4	Warranty service shall include Contractor response to system problems in the following manner: Service shall include, when necessary, all service, parts and labor, necessary and be available twenty-four (24) hours per day, seven (7) days per week.			
5.24.6.5	Provide implementation support and ongoing Production Support including unlimited telephone support, remote access support or in-person support (if applicable) at Collin County's location(s) or such other locations as Collin County may specify or is necessary.			
5.24.6.6	Provide for a fail-over process in case of a processor failure, natural disaster or major catastrophe.			
5.24.6.7	Provide total system failure procedures identifying if the system will be a self-contained re-boot or if it will require manual intervention.			
5.24.6.8	Provide a disaster recovery plan that would restore data if the Collin County's data center was rendered unusable as a result of a natural disaster or major catastrophe.			
5.24.6.9	In the event of a system or database crash, provide database restore procedures for immediate recovery following the restoration or correction of a hardware or software failure. Response to major failure maintenance calls shall not exceed two (2) hours.			
5.24.6.10	Major Failure maintenance shall be defined as follows:			
5.24.6.10.1	· The entire system is inoperative.			
5.24.6.10.2	· There are two (2) or more system re-boots of the application server or database server in any twenty-four (24) hour period.			
5.24.6.10.3	· Disruption in service to a single user of material nature. Material nature shall mean Collin County's operations are critically affected.			
5.24.6.11	Minor Failure shall be defined as follows:			
5.24.6.11.1	· Any request for service when a major failure does not exist shall be deemed to be a minor failure.			
5.24.6.11.2	· When a minor failure occurs, Contractor agrees to send qualified maintenance personnel, as required, to arrive at the affected County facility within twenty-four (24) hours of request, 8:00 A.M. to 5:00 P.M. Central Time, Monday through Friday, excluding weekends and County holidays.			
5.24.6.11.3	· If Contractor successfully corrects a Minor Failure within the required response period remotely, and no Contractor on-site presence is required to restore the system to proper performance levels, the 24-hour on-site response requirement shall be waived.			
5.24.6.11.4	· In the event of a hardware failure, response shall mean Contractor's technician is physically at Collin County's location.			
5.24.6.11.5	· When a request for emergency service is received from Collin County, Contractor agrees to send qualified maintenance personnel, as required, to arrive at the affected Collin County's facility within two (2) hours of request, twenty-four (24) hours per day, seven (7) days per week. If Contractor successfully corrects a declared emergency condition within the 2-hour response period remotely and no Contractor on-site presence is required to restore the system's to proper performance levels, the 2-hour on-site response requirement shall be waived.			
5.24.6.11.6	In the event of a system emergency, the Contractor shall:			
5.24.6.11.6.1	· Prioritize Collin County's emergency;			
5.24.6.11.6.2	· Escalate within the Contractor's technical and management organizations as necessary to resolve the emergency;			
5.24.6.11.6.3	· Use its best efforts to correct the emergency within four (4) hours from receipt of notice of such emergency; and,			
5.24.6.11.6.4	· Maintain continuous work until the emergency is corrected to Collin County's reasonable satisfaction.			
5.24.6.12	In the event that any emergency is not corrected by the Contractor within twelve (12) hours from receipt of notice, the successful Contractor shall replace that portion of the system causing such emergency with new items of equipment or software within twenty-four (24) hours from receipt of the emergency.			
5.24.6.13	Contractor will provide Collin County an escalation call list and shall keep the escalation call list updated as time passes.			
5.24.6.14	In the event the Contractor chooses to perform field repair on defective equipment and such repaired equipment continues to experience repeated failures adversely affecting the system, the Contractor shall, upon Collin County's agreement, replace such defective equipment rather than continuing to perform field repairs.			
5.24.6.15	Should the condition require that Contractor re-boot the system or perform any action that could lead to a system re-boot or any other adverse condition, Contractor shall first notify Collin County's designated IT Support Group and obtain Collin County's permission before proceeding. This requirement pertains to both remote and on-site conditions.			
5.24.6.16	Describe how you will handle troubleshooting after implementation.			

## Attachment C - Pricing Sheet

Tax Office - 2300 Bloomdale Road, Suite 2302 (Motor Vehicles) & 2324 (Property), McKinney, Texas 75071					
	Axis Camera Devices - Cost per camera to include 1st year maintenance				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
1	P3225-LV-MKII	Indoor Fixed Dome	12		\$0.00
2	M3047-P	360 Panoramic overview	4		\$0.00
3	F44 Dual Audio	Supports 4 F sensors and two-way audio	5		\$0.00
4	F4005	Interior fixed lens with Recessed Dome	18		\$0.00
5	T8353A	Compact high Performance 3.5mm Omnidirectional Mic	9		\$0.00
6	Total Camera Cost including 1st year maintenance for 48 34 cameras listed above				\$0.00
7	Total Cost for maintenance year 2 for 48 34 cameras listed above				\$0.00
8	Total Cost for maintenance year 3 for 48 34 cameras listed above				\$0.00
	Axis Devices - Cost per device to include 1st year maintenance				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
9	F44 Dual Audio	Supports 4 F sensors and two (2) way audio	5		\$0.00
10	T8353A	Compact high performance 3.5mm Omnidirectional Mic	9		\$0.00
11	Total Device Cost including 1st year maintenance for 14 devices listed above				\$0.00
12	Total Cost for maintenance year 2 for 14 devices listed above				\$0.00
13	Total Cost for maintenance year 3 for 14 devices listed above				\$0.00
	Cisco Equipment				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
14	WS-C3850-48U-S	Cisco Catalyst 3850 48 port UPOE Universal	1		\$0.00
15	S3850UK9-37E	CAT3850 Universal k9 image	1		\$0.00
16	PWR-C1-1100WAC	1100W AC Config 1 Secondary Power Supply	1		\$0.00
17	C3850-NM-4-1G	Cisco Catalyst 3850 4 x 1GE Network Module	1		\$0.00
18	STACK-T1-3M=	Cisco StackWise-480 3m stacking cable	1		\$0.00
19	CAB-SPWR-30CM	Cat 3850 Stack power cable 30cm	1		\$0.00
20	CON-SNT-WSC388FS	SMARTNET 8X5XNBD Cisco Catalyst (36 mnth)	1		\$0.00
21	L-C3750X-LIC=	Electronic Product Activation Keys for 3850-X Series	1		\$0.00
22	L-C3750X-48-S-E	C3850X-48 IP Base to IP Services E-License	1		\$0.00
23	CJ688TGBU Panduit data jacks (blue)	Panduit data jacks (blue)	100		\$0.00
24	UTPSP7GRY	Panduit 7' patch cable (green)	50		\$0.00
25	Total Cost for Cisco Equipment				\$0.00
	Dell Server Equipment				
	SKU	Description	Quantity	Unit Cost	Extended Cost
26	210-ALZE	PowerEdge R440 Server	1		\$0.00
27	384-BBQW	Motherboard	1		\$0.00
28	461-AADZ	No Trusted Platform Module	1		\$0.00
29	321-BCUU	3.5" Chassis with up to 4 Hot Plug Hard Drives	1		\$0.00
30	405-AAOM	Internal PERC	1		\$0.00
31	338-BLUR	Intel Xeon Silver 4112 2.6G, 4C/8T, 9.6GT/s, 8.25M	1		\$0.00
32	374-BBBX	No Additional Processor	1		\$0.00
33	412-AAJT	Standard Heat Sink	1		\$0.00

Attachment C - Pricing Sheet

34	330-BBHL	Riser Config 1, 1X16 FH	1		\$0.00
35	370-ADNU	2666MT/s RDIMMs	1		\$0.00
36	370-AAIP	Performance Optimized	1		\$0.00
<del>37</del>	<del>780-BCDL</del>	<del>RAID-0</del>	<del>1</del>		<del>\$0.00</del>
38	405-AAML	PERC H740P RAID Controller, LP Adapter	1		\$0.00
39	634-BILL	Windows Server 2016 Standard, 16CORE,Media Kit	1		\$0.00
40	634-BILD	Windows Server 2016 Standard Edition, No Media;2012R Downgrade Media, Multi-Language	1		\$0.00
41	634-BJQR	iDRac9, Enterprise	1		\$0.00

**Attachment C - Pricing Sheet**

42	385-BBKT	OME Server Configuration Management	1		\$0.00
43	528-BBWT	iDRAC Group Manager, Enabled	1		\$0.00
44	379-BCQV	iDRAC, Factory Generated Password	1		\$0.00
45	379-BCSF	On-Board LOM	1		\$0.00
46	542-BBBP	No Internal Optical Drive for x4 and x8 HDD Chassis	1		\$0.00
47	429-ABBF	Dual, Hot Plug, Redundant Power Supply (+1), 550W	1		\$0.00
48	450-AGOY	Standard Bezel	1		\$0.00
49	325-BCHH	Dell EMC Luggage Tag	1		\$0.00
50	350-BBKT	Quick Sync 2 (At-the-box mgmt)	1		\$0.00
51	350-BBKQ	Performance BIOS settings	1		\$0.00
52	384-BBBL	UEFI BIOS Boot Mode with GPT Partition	1		\$0.00
53	800-BBDM	ReadyRails Sliding with Cable Management Arm	1		\$0.00
54	770-BCKT	No Systems Documentation, No OpenManage DVD Kit	1		\$0.00
55	631-AACK	iDRAC Service Module (ISM), NOT Installed	1		\$0.00
56	332-1286	ENT CONFIG Services, Failover Disk, Hotspare	1		\$0.00
57	370-ADNI	8GB RDIMM, 2666MT/s Single Rank	2		\$0.00
58	400-ASIE	4TB 7.2K RPM SATA 6Gbps 512n 3.5in Hot-plug Hard Drive	3		\$0.00
59	540-BBCX	Broadcom 5720 DP 1GB Network Interface Card	1		\$0.00
60	492-BBDI	C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) Power Cord North America	2		\$0.00
61	366-0227	ENT CONFIG SVCS,FEE, RAID 1 SINGLE CONTAINER ON 2HDD	1		\$0.00
62	Total Cost for Dell Server Equipment				\$0.00
Milestone Licenses					
	Type	Description	Quantity	Unit Cost	Extended Cost
63	Xprotect Corporate VMS (latest software version)	VMS Client Software	21		\$0.00
64	Total Cost for Milestone Licenses				\$0.00
SD Cards					
	Type	Description	Quantity	Unit Cost	Extended Cost
65	128GB SD Cards	128GB SD Cards for cameras	21		\$0.00
66	Total Cost for SD Cards				\$0.00
Cabling					
	Model Number	Description	Quantity	Unit Cost	Extended Cost
67	CPPLA48WBLY	Angled 48 port Panduit patch panel	1		\$0.00
68	Total Cost for Cabling				\$0.00
Services					
	Type	Description	Quantity	Unit Cost	Extended Cost
69	Implementation Services	Includes but not limited to installation, configuration, training, etc.	1		\$0.00
70	Total Cost for Implementation Services				\$0.00
Miscellaneous Items					
	Details	Description	Quantity	Unit Cost	Extended Cost

Attachment C - Pricing Sheet

71	List miscellaneous items to render project complete and operational (Insert more lines as necessary)	State any additional fees associated with project			
					\$0.00
					\$0.00
					\$0.00
72	Total Cost for Miscellaneous Items				\$0.00
73	Total Cost for Tax Office - McKinney				\$0.00



## Attachment C - Pricing Sheet

Tax Office - 6101 Frisco Square Blvd, Suite 2000 Frisco, Texas 75034					
	Axis Camera Devices - Cost per camera to include 1st year maintenance				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
74	P3225-LV-MKII	Indoor Fixed Dome	7		\$0.00
75	M3047-P	360 Panoramic overview	1		\$0.00
76	F44 Dual Audio	Supports 4 F sensors and two way audio	3		\$0.00
77	F4005	Interior fixed lens with Recessed Dome	9		\$0.00
78	T8353A	Compact high Performance 3.5mm Omnidirectional Mic	5		\$0.00
79	Total Camera Cost including 1st year maintenance for 25 17 cameras listed above				\$0.00
80	Total Cost for maintenance year 2 for 25 17 cameras listed above				\$0.00
81	Total Cost for maintenance year 3 for 25 17 cameras listed above				\$0.00
	Axis Devices - Cost per device to include 1st year maintenance				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
82	F44 Dual Audio	Supports 4 F sensors and two (2) way audio	3		\$0.00
83	T8353A	Compact high performance 3.5mm Omnidirectional Mic	5		\$0.00
84	Total Device Cost including 1st year maintenance for 8 devices listed above				\$0.00
85	Total Cost for maintenance year 2 for 8 devices listed above				\$0.00
86	Total Cost for maintenance year 3 for 8 devices listed above				\$0.00
	Cisco Equipment				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
87	WS-C3850-48U-E	Cisco Catalyst 3850 48 port UPOE IP Services	2		\$0.00
88	S3850UK9-37E	CAT3850 Universal k9 image	2		\$0.00
89	PWR-C1-1100WAC	1100W AC Config 1 Secondary Power Supply	2		\$0.00
90	C3850-NM-4-1G	Cisco Catalyst 3850 4 x 1GE Network Module	2		\$0.00
91	STACK-T1-50CM=	Cisco StackWise-480 50cm stacking cable	2		\$0.00
92	CAB-SPWR-30CM	Cat 3850 Stack power cable 30cm	2		\$0.00
93	CON-SNT-WSC388FS	SMARTNET 8X5XNBD Cisco Catalyst (36 mnth)	2		\$0.00
94	L-C3750X-LIC=	Electronic Product Activation Keys for 3850-X Series	2		\$0.00
95	L-C3750X-48-S-E	C3850X-48 IP Base to IP Services E-License	1		\$0.00
96	CJ688TGBU Panduit data jacks (blue)	Panduit data jacks (blue)	100		\$0.00
97	UTPSP7GRY	Panduit 7' patch cable (green)	50		\$0.00
98	Total Cost for Cisco Equipment				\$0.00
	Dell Server Equipment				
	SKU	Description	Quantity	Unit Cost	Extended Cost
99	210-ALZE	PowerEdge R440 Server	1		\$0.00
100	384-BBQW	Motherboard	1		\$0.00
101	461-AADZ	No Trusted Platform Module	1		\$0.00
102	321-BCUU	3.5" Chassis with up to 4 Hot Plug Hard Drives	1		\$0.00
103	405-AAOM	Internal PERC	1		\$0.00
104	338-BLUR	Intel Xeon Silver 4112 2.6G, 4C/8T, 9.6GT/s, 8.25M	1		\$0.00
105	374-BBBX	No Additional Processor	1		\$0.00
106	412-AAJT	Standard Heat Sink	1		\$0.00

Attachment C - Pricing Sheet

107	330-BBHL	Riser Config 1, 1X16 FH	1		\$0.00
108	370-ADNU	2666MT/s RDIMMs	1		\$0.00
109	370-AAIP	Performance Optimized	1		\$0.00
110	<del>780-BCDL</del>	<del>RAID-0</del>	<del>1</del>		<del>\$0.00</del>
111	405-AAML	PERC H740P RAID Controller, LP Adapter	1		\$0.00
112	634-BILL	Windows Server 2016 Standard, 16CORE,Media Kit	1		\$0.00
113	634-BILD	Windows Server 2016 Standard Edition, No Media;2012R Downgrade Media, Multi-Language	1		\$0.00
114	634-BJQR	iDRac9, Enterprise	1		\$0.00

**Attachment C - Pricing Sheet**

115	385-BBKT	OME Server Configuration Management	1		\$0.00
116	528-BBWT	iDRAC Group Manager, Enabled	1		\$0.00
117	379-BCQV	iDRAC, Factory Generated Password	1		\$0.00
118	379-BCSF	On-Board LOM	1		\$0.00
119	542-BBBP	No Internal Optical Drive for x4 and x8 HDD Chassis	1		\$0.00
120	429-ABBF	Dual, Hot Plug, Redundant Power Supply (+1), 550W	1		\$0.00
121	450-AGOY	Standard Bezel	1		\$0.00
122	325-BCHH	Dell EMC Luggage Tag	1		\$0.00
123	350-BBKT	Quick Sync 2 (At-the-box mgmt)	1		\$0.00
124	350-BBKQ	Performance BIOS settings	1		\$0.00
125	384-BBBL	UEFI BIOS Boot Mode with GPT Partition	1		\$0.00
126	800-BBDM	ReadyRails Sliding with Cable Management Arm	1		\$0.00
127	770-BCKT	No Systems Documentation, No OpenManage DVD Kit	1		\$0.00
128	631-AACK	iDRAC Service Module (ISM), NOT Installed	1		\$0.00
129	332-1286	ENT CONFIG Services, Failover Disk, Hotspare	1		\$0.00
130	370-ADNI	8GB RDIMM, 2666MT/s Single Rank	2		\$0.00
131	400-ASIE	4TB 7.2K RPM SATA 6Gbps 512n 3.5in Hot-plug Hard Drive	3		\$0.00
132	540-BBCX	Broadcom 5720 DP 1GB Network Interface Card	1		\$0.00
133	492-BBDI	C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) Power Cord North America	2		\$0.00
134	366-0227	ENT CONFIG SVCS,FEE, RAID 1 SINGLE CONTAINER ON 2HDD	1		\$0.00
135	Total Cost for Dell Server Equipment				\$0.00
Milestone Licenses					
	Type	Description	Quantity	Unit Cost	Extended Cost
136	Xprotect Corporate VMS (existing 2014 software version)	VMS Software	11		\$0.00
137	Total Cost for Milestone Licenses				\$0.00
SD Cards					
	Type	Description	Quantity	Unit Cost	Extended Cost
138	128GB SD Cards	128GB SD Cards for cameras	11		\$0.00
139	Total Cost for SD Cards				\$0.00
Cabling					
	Model Number	Description	Quantity	Unit Cost	Extended Cost
140	61110-BI6	Leviton data jacks (ivory) (bulk pack of 25 data jacks)	2		\$0.00
141	Leviton patch panel	Leviton flat 48 port patch panel	1		\$0.00
142	Total Cost for Cabling				\$0.00
Services					
	Type	Description	Quantity	Unit Cost	Extended Cost
143	Implementation Services	Includes but not limited to installation, configuration, training, etc.	1		\$0.00
144	Total Cost for Implementation Services				\$0.00
Miscellaneous Items					
	Details	Description	Quantity	Unit Cost	Extended Cost

Attachment C - Pricing Sheet

145	List miscellaneous items to render project complete and operational (Insert more lines as necessary)	State any additional fees associated with project			
					\$0.00
					\$0.00
					\$0.00
146	Total Cost for Miscellaneous Items				\$0.00

## Attachment C - Pricing Sheet

147	Total Cost for Tax Office - Frisco				\$0.00
144	Total Cost for Tax Office - McKinney & Frisco Locations				\$0.00
Minimum Security - 4800 Community Avenue, McKinney, Texas, 75071					
	Axis Camera Devices - Cost per camera to include 1st year maintenance				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
135	P3225-LVE-MKII	Fixed dome outdoor ready	6		\$0.00
136	<del>P3225-LV-MkII</del>	<del>Indoor Fixed dome</del>	<del>13</del>		<del>\$0.00</del>
137	Q6000-EMKII and Q6055-E (Unit of Measurement for this line item is based upon a pair - 4 of each camera. Your Pricing for this item shall be for both cameras added together.)	360 quad view outdoor with PTZ	4		\$0.00
138	P9106-V-Brushed Steel (Part No. 01553-001)	Indoor corner mount	1		\$0.00
139	P3227-LVE	Fixed dome outdoor ready	17		\$0.00
140	P3227-LV	Indoor Fixed dome	15		\$0.00
141	Total Camera Cost including 1st year maintenance for 43 cameras listed above				\$0.00
142	Total Cost for maintenance year 2 for 43 cameras listed above				\$0.00
143	Total Cost for maintenance year 3 for 43 cameras listed above				\$0.00
	Axis Devices - Cost per device to include 1st year maintenance				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
144	T8310	Video Surveillance Control Board	3		\$0.00
145	Total Device Cost including 1st year maintenance for 3 devices listed above				\$0.00
146	Total Cost for maintenance year 2 for 3 devices listed above				\$0.00
147	Total Cost for maintenance year 3 for 3 devices listed above				\$0.00
	Cisco Equipment				
	Model Number	Description	Quantity	Unit Cost	Extended Cost
148	L-C3750X-48-S-E	C3850X-48 IP Base to IP Services E-License	1		\$0.00
149	UTPSP2BUY	Panduit 2' patch cable (blue)	10		\$0.00
150	Total Cost for Cisco Equipment				\$0.00
	Dell Server Equipment				
	SKU	Description	Quantity	Unit Cost	Extended Cost
151	210-AKZR	PowerEdge R740XD Server	1		\$0.00
152	329-BDKH	PowerEdge R740/R740XD Motherboard	1		\$0.00
153	461-AADZ	No Trusted Platform Module	1		\$0.00
154	321-BCPT	Chassis with Up to 12 x 3.5 Hard Drives for 1CPU Configuration	1		\$0.00
155	338-BLLY	Intel Xeon Gold 6126 2.6G, 12C/24T, 10.4GT/s, 19.25M Cache, Turbo, HT (125W) DDR4-2666	1		\$0.00
156	374-BBBX	No Additional Processor	1		\$0.00
157	370-ADPF	Blank for 1CPU Configuration	1		\$0.00
158	412-AAIQ	Standard 1U Heatsink	1		\$0.00

Attachment C - Pricing Sheet

159	370-ADNU	2666MT/s RDIMMs	1		\$0.00
160	370-AAIP	Performance Optimized	1		\$0.00
161	780-BCDP	RAID 5	1		\$0.00
162	405-AANQ	PERC H740P RAID Controller, 8 GB NV Cache, Mini card	1		\$0.00
163	619-ABVR	No Operating System	1		\$0.00
164	421-5736	No Media Required	1		\$0.00
165	385-BBKT	iDRAC9,Enterprise	1		\$0.00
166	528-BBWT	OME Server Configuration Management	1		\$0.00
167	379-BCQV	iDRAC Group Manager, Enabled	1		\$0.00
168	379-BCSF	iDRAC ,Factory Generated Password	1		\$0.00
169	330-BBGZ	Riser Config 1, 4 x8 slots	1		\$0.00
170	540-BBUK	Broadcom 57416 2 Port 10Gb Base-T + 5720 2 Port 1Gb Base-T, rNDC	1		\$0.00
171	384-BBPZ	6 Performance Fans forR740/740XD	1		\$0.00
172	450-ADWS	Dual, Hot-plug, Redundant Power Supply (1+1), 750W	1		\$0.00
173	325-BCHU	PowerEdge 2U Standard Bezel	1		\$0.00
174	389-BTTO	PE R740XD Luggage Tag	1		\$0.00
175	350-BBJU	Quick Sync 2 (At-thebox mgmt)	1		\$0.00
176	750-AABF	Power Saving Dell Active Power Controller	1		\$0.00
177	800-BBDM	UEFI BIOS Boot Mode with GPT Partition	1		\$0.00
178	770-BBBR	ReadyRails Sliding Rails with Cable Management Arm	1		\$0.00
179	631-AACK	No Systems Documentation, No OpenManage DVD Kit	1		\$0.00
180	370-ADND	16GB RDIMM, 2666MT/s Dual Rank	2		\$0.00
181	400-ASIB	8TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-Plug Hard Drive	7		\$0.00
182	540-BBCX	Broadcom 5720 DP 1Gb Network Interface Card	1		\$0.00
183	450-AALV	NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America	2		\$0.00
184	Total Cost for Dell Server Equipment				\$0.00
Milestone Licenses					
	Type	Description	Quantity	Unit Cost	Extended Cost
185	Xprotect Corporate VMS (latest software version)	VMS Software	43		\$0.00
Total Cost for Milestone Licenses					\$0.00
SD Cards					
	Type	Description	Quantity	Unit Cost	Extended Cost
186	128GB SD Cards	128GB SD Cards for cameras	43		\$0.00
187	Total Cost for SD Cards				\$0.00
Cabling					
	Model Number	Description	Quantity	Unit Cost	Extended Cost
188	CPPL48WBLY	Flat 48 port Panduit patch panel	1		\$0.00
189	Total Cost for Cabling				\$0.00
Services					
	Type	Description	Quantity	Unit Cost	Extended Cost
190	Implementation Services	Includes but not limited to installation, configuration, training, etc.	1		\$0.00

Attachment C - Pricing Sheet

191	Total Cost for Implementation Services				\$0.00
	Miscellaneous Items				
	Details	Description	Quantity	Unit Cost	Extended Cost
192	List miscellaneous items to render project complete and operational (Insert more lines as necessary)	State any additional fees associated with project			
193	T8129-E	POE Extender for exterior Pole camera cabling	3		\$0.00
194	T8061	Ethernet Surge Protector for exterior Pole camera cabling	3		\$0.00
					\$0.00
					\$0.00
					\$0.00
195	Total Cost for Miscellaneous Items				\$0.00
196	Total Cost for Minimum Security				\$0.00
197	Cabling cost per foot	State cabling cost per foot for future add-ons.	1		

\*Unit pricing listed throughout this sheet shall be held through September 30, 2021 for additional add-ons.

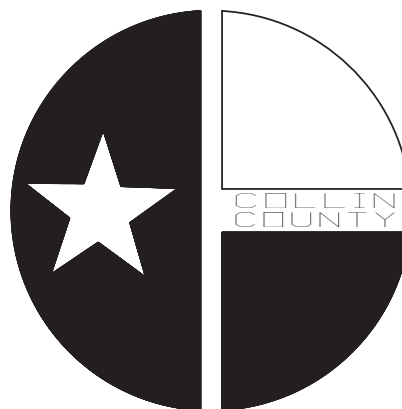
## SHEET INDEX

SHEET G-E1 - LOCATION MAPS  
SHEET G-E2 - LEGENDS  
SHEET G-E3 - SCHEDULES  
SHEET G-E4 - SCHEDULES  
SHEET G-E5 - GENERAL NOTES  
SHEET MCK-E1 - MCKINNEY TAX OFFICE VEHICLE TAX AREA  
SHEET MCK-E2 - MCKINNEY TAX OFFICE PROPERTY TAX AREA  
SHEET MCK-E3 - MCKINNEY TAX OFFICE REMOTE MOTOR VEHICLE  
SHEET FRS-E1 - FRISCO TAX OFFICE AREA  
SHEET MIN-SPE1 - MINIMUM SECURITY BUILDING SITE PLAN  
SHEET MIN-E1 - MINIMUM SECURITY BUILDING FLOOR PLAN  
SHEET MIN-E2 - MINIMUM SECURITY BUILDING FLOOR PLAN  
SHEET MIN-E3 - MINIMUM SECURITY BUILDING FLOOR PLAN  
SHEET MIN-E4 - MINIMUM SECURITY BUILDING FLOOR PLAN  
SHEET MIN-E5 - MINIMUM SECURITY BUILDING FLOOR PLAN  
SHEET MIN-E6 - MINIMUM SECURITY BUILDING FLOOR PLAN

## Attachment D - Surveillance Camera Systems Drawing Set



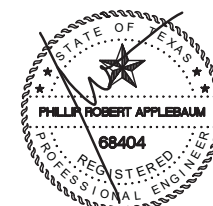
1201 N. BOWSER ROAD  
RICHARDSON, TEXAS 75081-2275  
TEL (214) 346-6200  
FAX (214) 739-0095  
TBPE FIRM #F-312  
AVO 32593.002



# RFP-DRAWING SET COLLIN COUNTY SURVEILLANCE SYSTEMS

MARCH 5, 2019

ENGINEER:  
PHILLIP APPLEBAUM, PE  
PAPPLEBAUM@HALFF.COM  
214-346-6350



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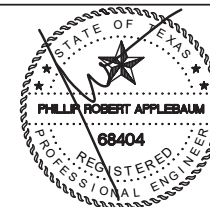
MINIMUM  
SECURITY

FRISCO TAX OFFICE



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TBPE FIRM NO. 312  
AYO 32593-002

# RFP-COLLIN COUNTY SURVEILLANCE SYSTEM COLLIN COUNTY, TEXAS



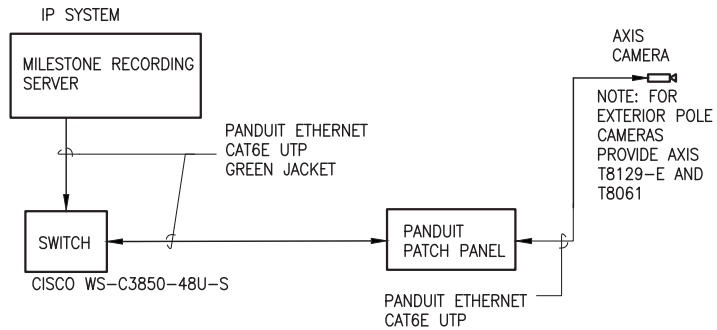
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Project No.: 32593-002  
Issued: 03/05/2019  
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Checked By: PA  
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Sheet Title  
LOCATION  
MAPS

## G-E1

Sheet Number

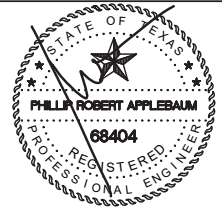


## SYMBOL LEGEND

SYMBOL	DESCRIPTION
	FIXED SECURITY CAMERA (EX = EXISTING ANALOG CAMERA LOCATION TO BE REPLACED WITH IP CAMERA; OTHERWISE CAMERAS SHALL BE NEW LOCATIONS).
	PTZ SECURITY CAMERA (EX = EXISTING ANALOG CAMERA LOCATION TO BE REPLACED WITH IP CAMERA; OTHERWISE CAMERAS SHALL BE NEW LOCATIONS).
	SECURITY CAMERA WITH PANORAMIC 360° VIEW.
	SECURITY CAMERA WITH 180° VIEW. OPTICAL AREA MAY BE FIELD ADJUSTED TO THE ANGLE SHOWN.
	SECURITY CAMERA WITH OPTICAL LIMITED VIEW.
	CONTROL BOARD WITH KEYPAD AND JOYSTICK.
	VMS CLIENT SOFTWARE TO BE INSTALLED BY COLLIN COUNTY IT ON EXISTING WORK STATION AND SETUP BY CONTRACTOR WITH CONNECTIONS FOR FULLY OPERATIONAL KEYPAD / JOYSTICK IF PROVIDED, OTHERWISE CONTROLLED BY COMPUTER.
UNO	UNLESS NOTED OTHERWISE
PTZ	PAN, TILT, ZOOM CAMERA OPERATION
INT.	INTERIOR
EXT.	EXTERIOR
VMS	VIDEO MANAGEMENT SYSTEM
IP	INTERNET PROTOCOL
UTP	UNSCREENED TWISTED PAIRS
MIC	MICROPHONE



**RFP-COLLIN COUNTY  
SURVEILLANCE SYSTEM  
COLLIN COUNTY, TEXAS**



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Project No.: 32593-002  
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 Sheet Title

LEGENDS

**G-E2**

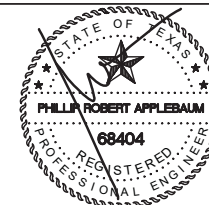
Sheet Number

DEVICE LEGEND			
DESIGNATION	MFG	MODEL NO.	COMMENTS
A	AXIS	P3225-LV-MKII	CEILING MOUNTED INTERIOR FIXED DOME WITH DIGITAL PTZ, VANDAL RESISTANT HOUSING, AND CAPABLE OF FORMATING THE OPTICS FOR 90° OR CORRODOR
C	AXIS	M3047-P	INTERIOR CEILING MOUNTED MINI DOME WITH 360° PANORAMIC VIEW (IF LISTED WITH AN ADJUSTED PANORAMIC ANGLE, FIELD PROGRAM FOR VALUE LISTED). VANDAL RESISTANT, DIGITAL PTZ, WDR
D1	AXIS	F44 DUAL AUDIO	INTERIOR CEILING SPACE MOUNTED MODULAR CAMERA WITH (4) VIDEO CHANNELS AND (2) AUDIO INPUTS WITH ASSOCIATED ADAPTORS.
D2	AXIS	F4005	INTERIOR FIXED LENSES WITH RECESSED DOME
D3	AXIS	T8353A	COMPACT MICROPHONE; HIGH-PERFORMANCE



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 Issued: 03/05/2019  
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 Sheet Title

SCHEDULES

**G-E3**

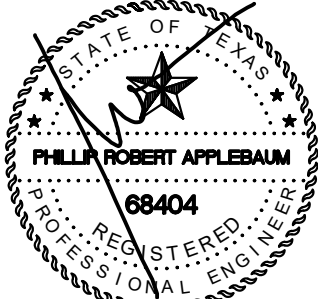
Sheet Number

DEVICE LEGEND			
DESIGNATION	MFG	MODEL NO.	COMMENTS
MA	AXIS	P3225-LVE-MKII	EXTERIOR WALL MOUNTED FIXED DOME WITH REMOTE ZOOM AND FOCUS, VANDAL RESISTANT HOUSING, AND CAPABLE OF FORMATING TO THE OPTICS DEFINED. PROVIDE VANDAL RESISTANT WALL MOUNTING BRACKET.
MB	AXIS	Q6000-EMKII AND Q6055-E	EXTERIOR POLE MOUNTED PTZ CAMERA WITH PROPER LENS TO FIT THE FOCAL NEEDS OF THE COUNTY. VANDAL RESISTANT, IP66, AND NEMA 4X, WDR-DYNAMIC CAPTURE, DEFOGGING. PROVIDE ATTACHMENTS TO ACCOMMODATE POLE MOUNT.
MC	AXIS	P9106	INTERIOR CORNER MOUNTED FIXED CAMERA, VANDAL RESISTANT HOUSING, AND CAPABLE OF VIEWING 90° HORIZONTAL VIEWING ANGLE.
MD	AXIS	P3227-LV	INTERIOR CEILING MOUNTED FIXED DOME WITH REMOTE ZOOM AND FOCUS, VANDAL RESISTANT HOUSING, AND CAPABLE OF FORMATING THE OPTICS TO SUIT THE OPTICAL REQUIREMENTS OF THE COUNTY.
<div>ME</div>	AXIS	P3227-LVE	EXTERIOR CEILING MOUNTED FIXED DOME WITH REMOTE ZOOM AND FOCUS, VANDAL RESISTANT HOUSING, CAPABLE OF FORMATTING THE OPTICS.



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REVISION 1 07/24/2019

Project No.: 32593-002

Issued: 03/05/2019

Drawn By: BM

Checked By: PA

Scale: NOT TO SCALE

Sheet Title

SCHEDULES

G-E4

Sheet Number

File Name: I:\32000s\32593\002\CADD\Sheets\32593-G-E2-4.dwg  
Current Tab (Layout): G-E5 User: AH3558 Printed Date: 3/5/2019 10:09:48 AM

GENERAL NOTES

- G1. PROVIDE THE DESIGN AND CONSTRUCTION DOCUMENTS FOR OF THE SURVEILLANCE SYSTEMS DEFINED IN THE RFP. THE CONSTRUCTION DOCUMENTS SHALL BE REVIEWED FOR COMPLIANCE. ONCE APPROVED, PROVIDE LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION TO RECEIVE, INSTALL, ADJUST, AND PUT INTO OPERATION A COMPLETE SYSTEM OF SURVEILLANCE CAMERAS IN ACCORDANCE WITH THE INTENT OF THE RFP. PROVIDE ALL PRODUCTS REQUIRED. THOSE PRODUCTS NOT MENTIONED BUT OBVIOUSLY NECESSARY AND INCIDENTAL TO THE OPERATION AND COMPLETION OF THIS WORK ARE PART OF THE SCOPE OF WORK.

G2. SCOPE OF WORK INCLUDES THE FOLLOWING:

A. PROVISION OF NEW IP SURVEILLANCE CAMERA SYSTEMS IN THE

1. MCKINNEY TAX OFFICE

2. FRISCO TAX OFFICE

3. MINIMUM SECURITY DETENTION FACILITY.

G3. WORK SHALL INCLUDE, BUT IS NOT BE LIMITED TO PROVIDING SERVERS, SWITCHES, OTHER HARDWARE, PATCH PANELS, SOFTWARE, CABLING, CAMERAS, SUPPORTS, CONDUIT, HANGERS, AND DEVICES AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM. INSTALLATION OF SERVERS AND SWITCHES SHALL BE PERFORMED BY COLLIN COUNTY. ALL OTHER WORK SHALL BE INSTALLED BY THE SUCCESSFUL CONTRACTOR.

G4. ALL WORK DONE SHALL BE PERFORMED BY QUALIFIED PERSONNEL LICENSED AND / OR CERTIFIED AS REQUIRED IN THE STATE OF TEXAS AND BY THIS RFP. THE SUCCESSFUL QUALIFIED CONTRACTOR MUST SHOW EXPERIENCE IN THE WORK DEFINED IN THE RFP FOR A PERIOD OF AT LEAST 10 YEARS.

G5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT RULES, REGULATIONS, AND INDUSTRY STANDARDS AS DEFINED BY AUTHORITY HAVING JURISDICTION; CODES AND STANDARDS FOUND ON ASSOCIATED CITY ORDINANCES OF MCKINNEY, AND FRISCO; INCLUDING THE NATIONAL ELECTRICAL CODE, UL, IPCEA, NEMA, NFPA, OSHA, NATIONAL ELECTRICAL SAFETY CODE; AND ANY OTHER LOCAL CODES, LAWS, OR ORDINANCES. IN THE EVENT THAT A DISCREPANCY IS FOUND IN THE RFP DOCUMENTS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

G6. EXAMINE AND BECOME FAMILIAR WITH ALL RFP DOCUMENTS IN THEIR ENTIRETY. SURVEY THE PROJECT AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND THE SCOPE OF WORK. ALL COSTS SUBMITTED SHALL BE BASED ON A THOROUGH KNOWLEDGE OF ALL WORK AND MATERIALS REQUIRED TO COMPLETE THE SCOPE OF WORK. ANY ADDITIONAL COSTS DUE TO FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

G7. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND BUILDING CONSTRUCTION. COORDINATE WITH THE COLLIN COUNTY REPRESENTATIVE AND THE USER OF EACH BUILDING LOCATION FOR SCHEDULING THE WORK TO BE PERFORMED PRIOR TO INSTALLATION.

G8. PRODUCTS OF A SIMILAR NATURE SHALL BE THE SAME TYPE AND MANUFACTURER. PROVIDE THE STANDARD PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SPECIFIED PRODUCTS, UNLESS OTHERWISE REQUIRED BY THE RFP. REFER TO ALL RFP DOCUMENTS.

G9. ALL PRODUCTS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST NATIONALLY RECOGNIZED AND ACCEPTED STANDARDS AND PROCEDURES, AS DEFINED BY EACH MUNICIPALITY.

G10. ALL WIRING FOR THE IP SURVEILLANCE SYSTEMS SHALL BE CAT 6E COPPER CABLE, PLENUM RATED WITH 7 FEET GREEN JACKET CAT6E PANDUIT PATCH CABLE FOR PATCH PANEL. ETHERNET EXTENDERS SHALL BE UTILIZED WHERE THE LINEAR DISTANCE FROM HARDWARE TO CAMERA EXCEEDS 265 FEET. ALL WIRING SHALL BE IN OPEN ABOVE ACCESSIBLE CEILINGS USING CABLE HANGERS AND J-HOOKS SPACED ACCORDING TO NATIONAL STANDARDS AND CODE REQUIREMENTS. WHERE REQUIRED, CABLE SHALL BE INSTALLED IN CONDUIT FOR PROTECTION OF CABLE FROM THE ELEMENTS, WHEN IN INACCESSIBLE CEILINGS, AND WHEN LOCATED IN AN AREA SUSCEPTIBLE TO VANDALISM.

G11. ALL CAMERAS SHALL BE MOUNTED SECURELY WITH APPROPRIATE MOUNTING DEVICES.

G12. DAMAGE TO BUILDING SURFACES SHALL BE REPAIRED BY THE CONTRACTOR WITH MATCHING SURFACE MATERIAL AND REPAINTED AS NECESSARY.

G13. NO EXPOSED CONDUIT SHALL BE INSTALLED IN FINISHED SPACES UNLESS NO OTHER MEANS ALLOW FOR THE INSTALLATION. IN THIS CASE THE CONTRACTOR WILL NEED TO OBTAIN CONFIRMATION FROM THE COLLIN COUNTY REPRESENTATIVE THAT NO OTHER MEANS FOR INSTALLATION ARE POSSIBLE.

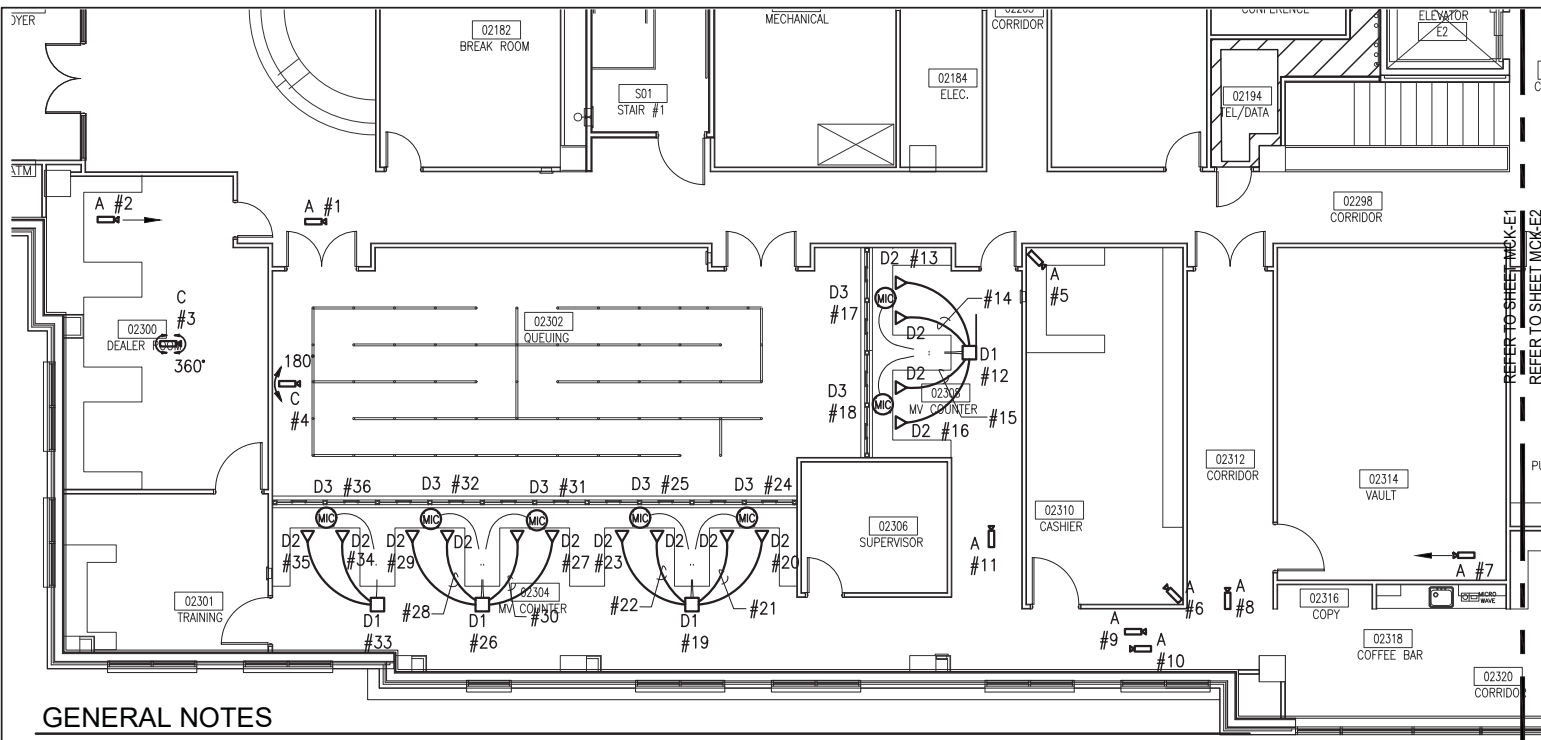
G14. PENETRATIONS OF WALLS, FLOORS, AND ROOF FOR THE PASSAGE OF CONDUIT OR WIRING SHALL BE COORDINATED WITH THE COLLIN COUNTY REPRESENTATIVE. ONCE THE PENETRATION IS MADE, THE CONTRACTOR SHALL PROPERLY SEAL THE PENETRATION TO MAINTAIN RATINGS, WATERPROOFING, AND FIREPROOFING INTEGRITY. MATERIALS USED FOR FIREPROOFING SHALL BE APPROVED FOR THE PURPOSE BY THE CODE AUTHORITY HAVING JURISDICTION.

G15. ALL OUTSIDE PLAN (OSP) RATED CABLE ROUTED INSIDE THE BUILDING SHALL BE IN CONDUIT.

G16. PROVIDE ALL REQUIRED MOUNTING BRACKETS AND ACCESSORIES FOR A TURN-KEY SOLUTION.

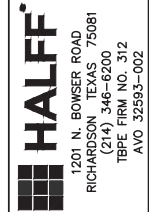
G17. FINAL INSTALLATION OF DEVICES AND CABLING IN A PLENUM SPACE SHALL BE PENUM RATED.
- 
- RFP-COLLIN COUNTY  
SURVEILLANCE SYSTEM  
COLLIN COUNTY, TEXAS
- 
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- |              |                  |
|--------------|------------------|
| Project No.: | 32593-002        |
| Issued:      | 03/05/2019       |
| Drawn By:    | BM               |
| Checked By:  | PA               |
| Scale:       | NOT TO SCALE     |
| Sheet Title  | GENERAL<br>NOTES |
| G-E5         |                  |
| Sheet Number |                  |



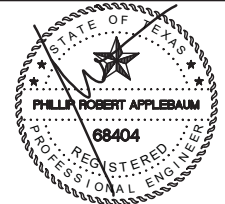


## GENERAL NOTES

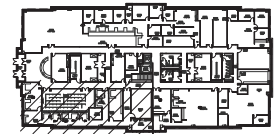
- ALL CAMERAS SHALL BE CEILING MOUNTED UNLESS OTHERWISE NOTED. PROVIDE ALL APPROPRIATE ACCESSORIES AS NECESSARY TO SUPPORT THE INTENDED CAMERA.
- REFER TO CAMERA LEGEND FOR CAMERA MODEL NUMBERS, SHEET G-E3, G-E4.
- IF A CAMERA HAS A DESIGNATION FOR A HORIZONTAL VIEWING ANGLE, PROVIDE A CAMERA THAT PROVIDES THE DEGREE ANGLE VIEWING RANGE AS DESIGNATED. ARROWS ASSOCIATED WITH CAMERAS INDICATE THE DIRECTION THE CAMERA IS TO BE AIMED AND THE ANGLE DIRECTION OF THE CAMERA LENS. ALL LENS TYPES SHALL BE COORDINATED WITH THE COLLIN COUNTY REPRESENTATIVE PRIOR TO ORDERING. LENSES USED SHOULD PROVIDE THE APPROPRIATE FOCUS DESIRED BY THE COUNTY.
- ALL CABLES FROM SURVEILLANCE CAMERAS SHALL ORIGINATE IN THE MDF/IDF TEL/DATA ROOM NO. 02194. PROVIDE ALL CABLING REQUIRED FOR A COMPLETE INSTALLATION, INCLUDING CONVERTER SWITCHES AND FIBER CABLE IF REQUIRED.
- PROVIDE CISCO SWITCHES, PATCH PANELS, DATA JACKS, AND DELL SERVERS AS REQUIRED IN THE EXISTING MDF/IDF TEL/DATA ROOM. COORDINATE WITH COLLIN COUNTY REPRESENTATIVE.
- WHERE MICROPHONES ARE DESIGNATED, THEY SHALL BE INTEGRAL TO THE CAMERA, UNLESS OTHERWISE NOTED.
- ALL CAMERAS SHALL HAVE REDUNDANT DATA CAPTURING THROUGH A 128GB SD CARD.
- REFER TO GENERAL NOTES ON SHEET G-E5 FOR ADDITIONAL AND PERTINENT INSTALLATION INSTRUCTIONS AND INFORMATION.
- CONTRACTOR SHALL PROVIDE COUNTY WITH CAMERA DESIGNATION ALPHA-NUMERIC TO COINCIDE WITH COUNTY'S NOMENCLATURE. PROVIDE WORKSHEET TO COUNTY WITH CAMERA DESIGNATION AND LOCATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EQUIPMENT NECESSARY INCLUDING PATCH PANEL(S), DATA JACKS, ETC. AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.



RFP-COLLIN COUNTY  
SURVEILLANCE SYSTEM  
COLLIN COUNTY, TEXAS



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KEY PLAN

Project No.: 32593-002

Issued: 03/05/2019

Drawn By: BM

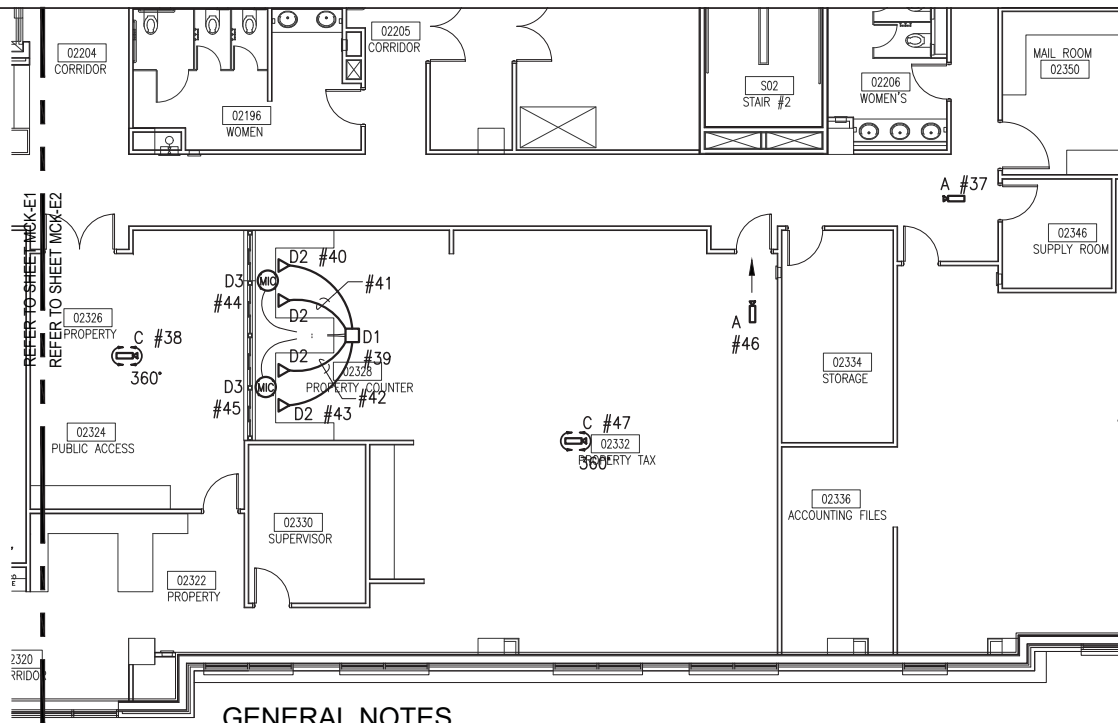
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Sheet Title  
MCKINNEY TAX OFFICE  
VEHICLE TAX AREA  
SECOND FLOOR PLAN

MCK-E1

Sheet Number



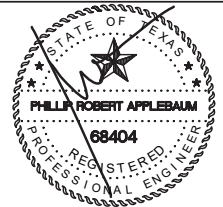
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2. REFER TO CAMERA LEGEND FOR CAMERA MODEL NUMBERS, SHEET G-E3, G-E4.
3. IF A CAMERA HAS A DESIGNATION FOR A HORIZONTAL VIEWING ANGLE, PROVIDE A CAMERA THAT PROVIDES THE DEGREE ANGLE VIEWING RANGE AS DESIGNATED. ARROWS ASSOCIATED WITH CAMERAS INDICATE THE DIRECTION THE CAMERA IS TO BE AIMED AND THE ANGLE DIRECTION OF THE CAMERA LENS. ALL LENS TYPES SHALL BE COORDINATED WITH THE COLLIN COUNTY REPRESENTATIVE PRIOR TO ORDERING. LENSES USED SHOULD PROVIDE THE APPROPRIATE FOCUS DESIRED BY THE COUNTY.
4. ALL CABLES FROM SURVEILLANCE CAMERAS SHALL ORIGINATE IN THE MDF/IDF TEL/DATA ROOM NO. 02194. PROVIDE ALL CABLING REQUIRED FOR A COMPLETE INSTALLATION, INCLUDING CONVERTER SWITCHES AND FIBER CABLE IF REQUIRED.
5. PROVIDE CISCO SWITCHES, PATCH PANELS, AND DATA JACKS, AND DELL SERVERS AS REQUIRED IN THE EXISTING MDF/IDF TEL/DATA ROOM. COORDINATE WITH COLLIN COUNTY REPRESENTATIVE.
6. WHERE MICROPHONES ARE DESIGNATED, THEY SHALL BE INTEGRAL TO THE CAMERA, UNLESS OTHERWISE NOTED.
7. ALL CAMERAS SHALL HAVE REDUNDANT DATA CAPTURING THROUGH A 128GB SD CARD.
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10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EQUIPMENT NECESSARY INCLUDING PATCH PANEL(S), DATA JACKS, ETC. AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.

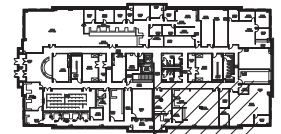


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RICHARDSON, TEXAS 75081  
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AVO 32593-002

**RFP-COLLIN COUNTY  
SURVEILLANCE SYSTEM  
COLLIN COUNTY, TEXAS**



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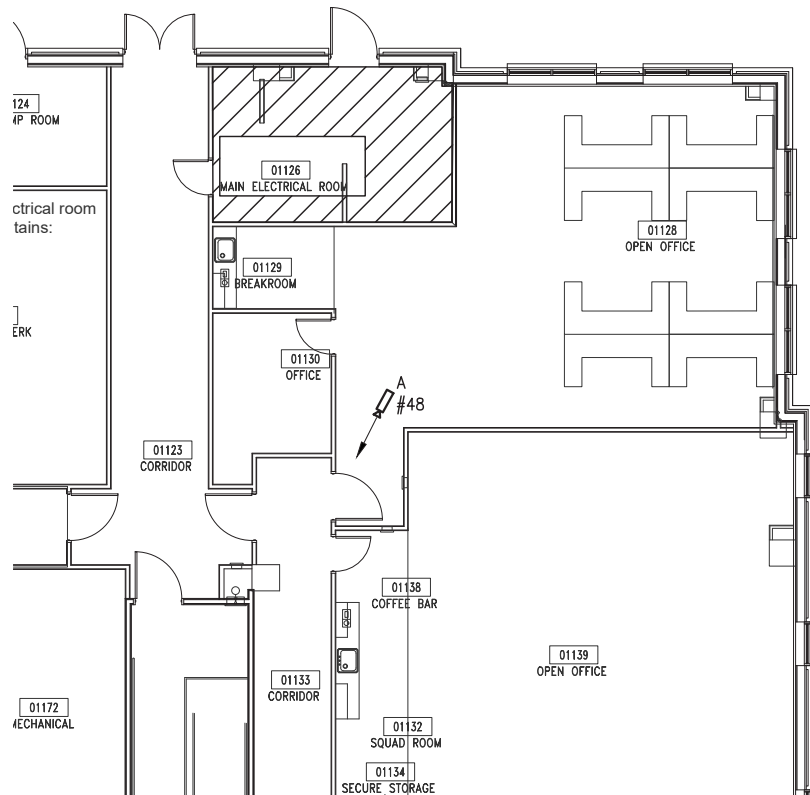
**KEY PLAN**

Project No.:	32593-002
Issued:	03/05/2019
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Checked By:	PA
Scale:	3/32"=1'-0"

Sheet Title  
**McKINNEY TAX OFFICE  
PROPERTY TAX AREA  
SECOND FLOOR PLAN**

**MCK-E2**

Sheet Number

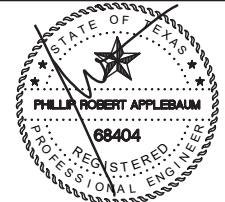


## GENERAL NOTES

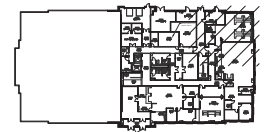
1. ALL CAMERAS SHALL BE CEILING MOUNTED UNLESS OTHERWISE NOTED. PROVIDE ALL APPROPRIATE ACCESSORIES AS NECESSARY TO SUPPORT THE INTENDED CAMERA.
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4. ALL CABLES FROM SURVEILLANCE CAMERAS SHALL ORIGINATE IN THE MDF/IDF TEL/DATA ROOM NO. 02194, AND MAY BE ROUTED THROUGH MAIN ELECTRICAL ROOM 01126. PROVIDE ALL MEDIA CABLING REQUIRED FOR A COMPLETE INSTALLATION INCLUDING CONVERTERS AND FIBER CABLE IF NECESSARY.
5. PROVIDE CISCO SWITCHES, PATCH PANELS, AND DATA JACKS AS REQUIRED IN THE EXISTING MDF/IDF TEL/DATA ROOM. COORDINATE WITH COLLIN COUNTY REPRESENTATIVE.
6. WHERE MICROPHONES ARE DESIGNATED, THEY SHALL BE INTEGRAL TO THE CAMERA, UNLESS OTHERWISE NOTED.
7. ALL CAMERAS SHALL HAVE REDUNDANT DATA CAPTURING THROUGH A 128GB SD CARD.
8. REFER TO GENERAL NOTES ON SHEET G-E5 FOR ADDITIONAL AND PERTINENT INSTALLATION INSTRUCTIONS AND INFORMATION.
9. CONTRACTOR SHALL PROVIDE COUNTY WITH CAMERA DESIGNATION ALPHA-NUMERIC TO COINCIDE WITH COUNTY'S NOMENCLATURE. PROVIDE WORKSHEET TO COUNTY WITH CAMERA DESIGNATION AND LOCATION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EQUIPMENT NECESSARY INCLUDING PATCH PANEL(S), DATA JACKS, ETC. AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.



**RFP-COLLIN COUNTY  
SURVEILLANCE SYSTEM  
COLLIN COUNTY, TEXAS**



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## KEY PLAN

Project No.: 32593-002

Issued: 03/05/2019

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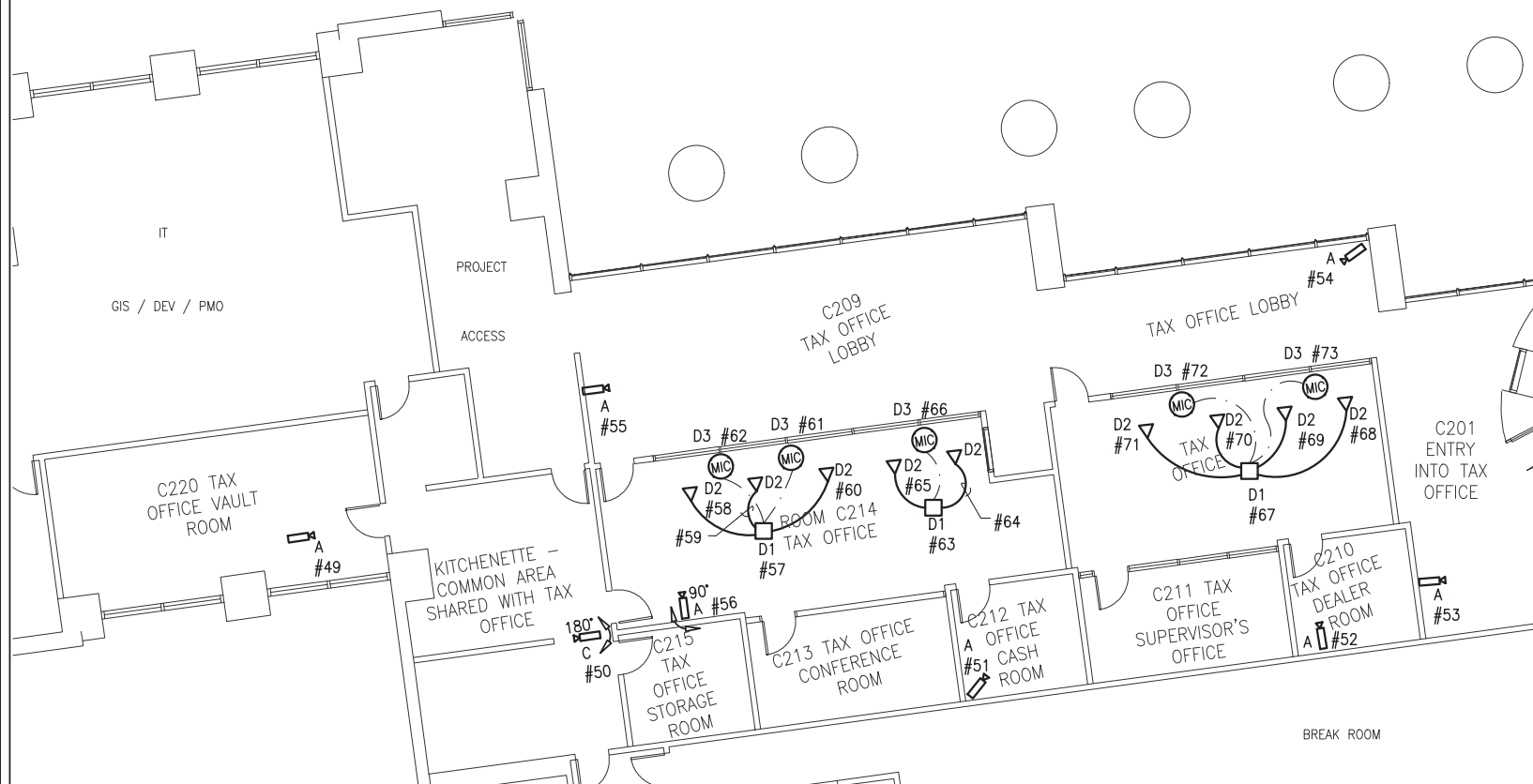
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Sheet Title  
**McKINNEY TAX OFFICE  
 REMOTE MOTOR VEHICLE  
 FIRST FLOOR PLAN**

**MCK-E3**

Sheet Number





## GENERAL NOTES

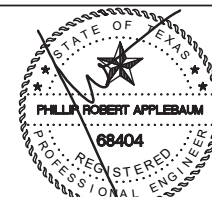
1. ALL CAMERAS SHALL BE CEILING MOUNTED UNLESS OTHERWISE NOTED. PROVIDE ALL APPROPRIATE ACCESSORIES AS NECESSARY TO SUPPORT THE INTENDED CAMERA.
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4. ALL CABLES FROM SURVEILLANCE CAMERAS SHALL ORIGINATE IN THE EXISTING MDF/IDF TEL/DATA ROOM. PROVIDE ALL CABLING REQUIRED FOR A COMPLETE INSTALLATION INCLUDING CONVERTER SWITCHES AND FIBER CABLING IF REQUIRED. FIELD VERIFY LOCATION OF MDF/IDF ROOM.
5. PROVIDE CISCO SWITCHES, PATCH PANELS, AND DATA JACKS AS REQUIRED IN THE EXISTING MDF/IDF TEL/DATA ROOM. COORDINATE WITH COLLIN COUNTY REPRESENTATIVE.
6. WHERE MICROPHONES ARE DESIGNATED, THEY SHALL BE INTEGRAL TO THE CAMERA, UNLESS OTHERWISE NOTED.
7. ALL CAMERAS SHALL HAVE REDUNDANT DATA CAPTURING THROUGH A 128GB SD CARD.
8. REFER TO GENERAL NOTES ON SHEET G-E5 FOR ADDITIONAL AND PERTINENT INSTALLATION INSTRUCTIONS AND INFORMATION.
9. CONTRACTOR SHALL PROVIDE COUNTY WITH CAMERA DESIGNATION ALPHA-NUMERIC TO COINCIDE WITH COUNTY'S NOMENCLATURE. PROVIDE WORKSHEET TO COUNTY WITH CAMERA DESIGNATION AND LOCATION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL EQUIPMENT NECESSARY INCLUDING PATCH PANEL(S), DATA JACKS, ETC. AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.

0 10 20 40 Feet

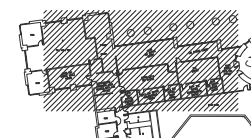


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AYO 32593-002

RFP-COLLIN COUNTY  
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COLLIN COUNTY, TEXAS



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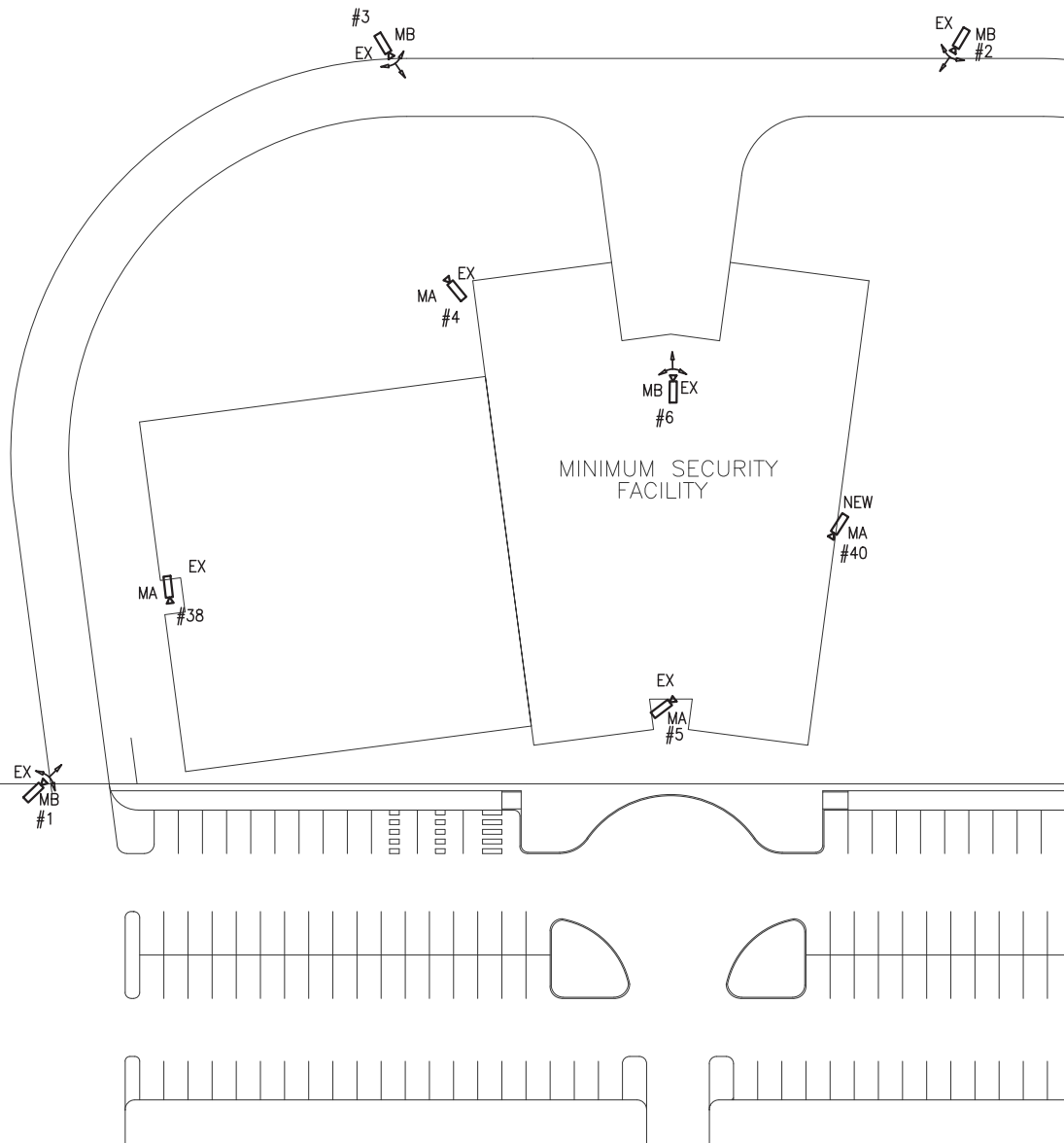
## KEY PLAN

Project No.: 32593-002  
Issued: 03/05/2019  
Drawn By: BM  
Checked By: PA  
Scale: NOT TO SCALE  
Sheet Title

FRISCO TAX OFFICE  
FLOOR PLAN

FRS-E1

Sheet Number



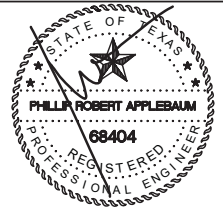
## GENERAL NOTES

1. ALL CAMERAS SHOWN WITH SUBSCRIPT "EX" ARE EXISTING ANALOG AND SHALL BE REPLACED WITH NEW (NETWORK) IP CAMERAS. REPLACE CAMERA SUPPORTS, AND CABLING TO CAMERAS AS REQUIRED.
2. NEW CAT6E CABLES WILL BE INSTALLED UTILIZING PoE TO REPLACE THE EXISTING CABLING. FIELD VERIFY ROUTING OF EXISTING CABLES AND PROPOSED NEW CABLES TO REPLACE EXISTING PRIOR TO INSTALLATION OF NEW CABLES AND COORDINATED PROPOSED NEW CABLE ROUTE WITH THE COLLIN COUNTY REPRESENTATIVE PRIOR TO INSTALLATION.
3. REFER TO CAMERA LEGEND FOR CAMERA EQUIVALENT MODEL NUMBERS, SHEET G-E3, G-E4.
4. ALL CABLES AND CONTROLS ORIGINATE IN MDF/IDF ELECTRICAL ROOM NO. 1603. REFER TO SHEET MIN-E5 FOR LOCATION OF ROOM.
5. PROVIDE RACKS, CISCO SWITCHES, PANDUIT PATCH PANELS, POWER SUPPLIES, DATA JACKS, DELL SERVERS, ETC. AS REQUIRED IN THIS ROOM FOR A NEW FULLY OPERATIONAL SURVEILLANCE SYSTEM. COORDINATE THE SYSTEM INSTALLATION OF NEW EQUIPMENT AND THE REMOVAL OF EXISTING WITH COLLIN COUNTY REPRESENTATIVE.
6. CONTRACTOR SHALL INCLUDE ALL COST ASSOCIATED WITH THE EXTENSION OF NEW CABLE. IT IS ANTICIPATED EXISTING CONDUIT SYSTEMS WILL BE UTILIZED, BUT IF NEEDED PROVIDE NEW OR ADJUSTED EXISTING CONDUIT SYSTEMS INCLUDING BUT NOT LIMITED TO REQUIRED BORING, SAW CUTTING, TRENCHING, BACK FILLING, COMPACTING, SODDING, CONCRETE REPLACEMENT, ETC.
7. ALL CAMERAS SHALL HAVE REDUNDANT DATA CAPTURING THROUGH A 128GB SD CARD.
8. EXTENDERS FOR ETHERNET CABLES SHALL BE INSTALLED FOR CAMERAS INSTALLED WHERE THE CABLE EXCEEDS 265 LINEAR FEET FROM THE MDF/IDF ROOM.
9. CAMERAS LOCATED AT FRONT ENTRY, EAST EXIT, AND AT THE DOCK ARE LOCATED IN THE BUILDING FLOOR PLAN SHEETS, MIN-E1 THROUGH MIN-E6.



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**RFP-COLLIN COUNTY  
 SURVEILLANCE SYSTEM  
 COLLIN COUNTY, TEXAS**



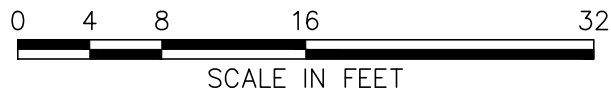
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Project No.:	32593-002
Issued:	03/05/2019
Drawn By:	BM
Checked By:	PA
Scale:	NOT TO SCALE
Sheet Title MINIMUM SECURITY BUILDING SITE PLAN	

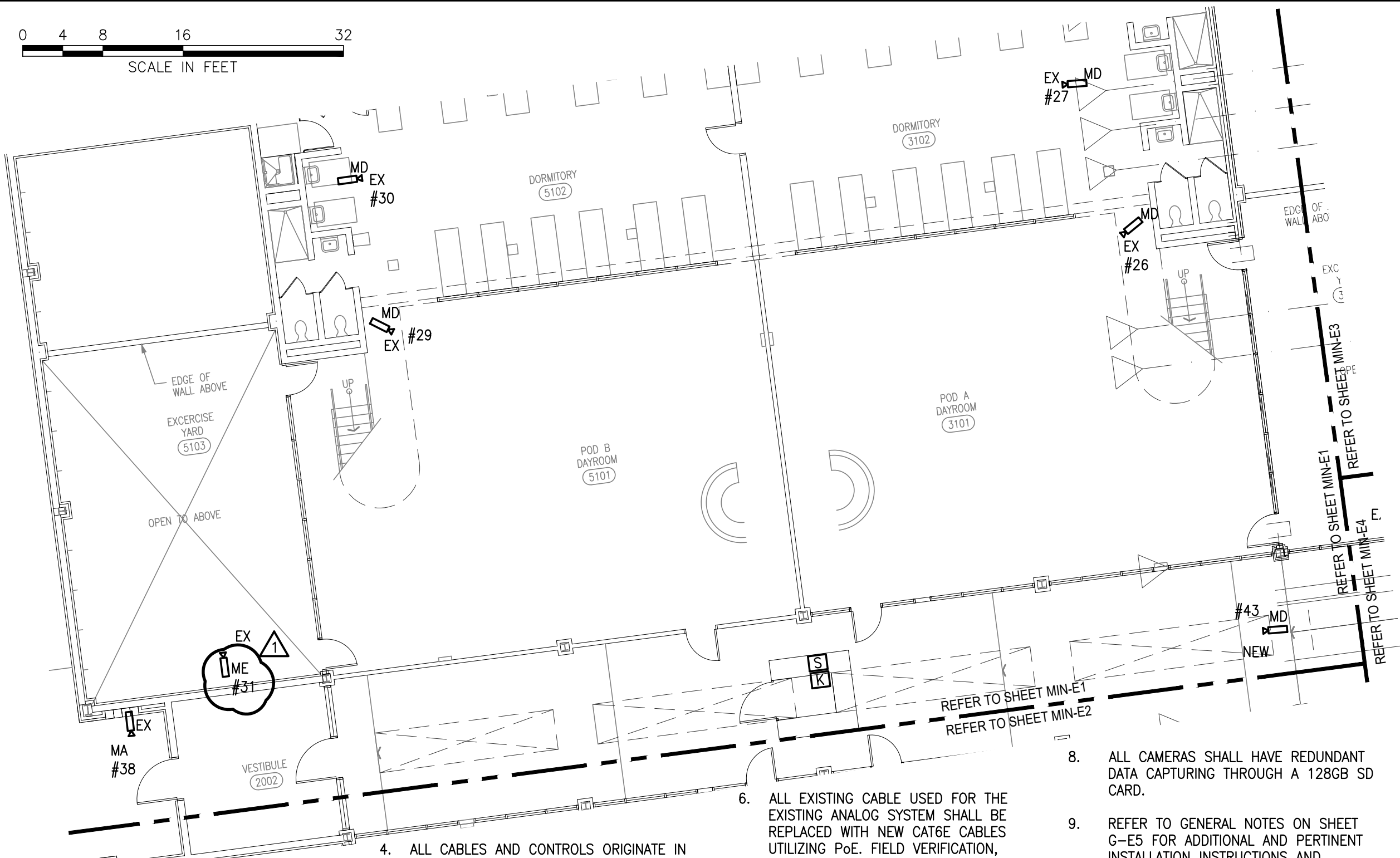
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Sheet Number

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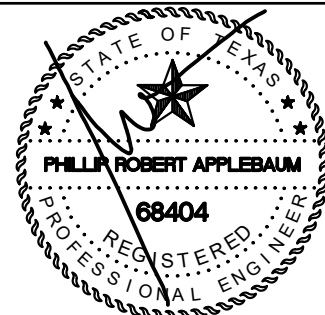
## GENERAL NOTES

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- REFER TO CAMERA LEGEND FOR CAMERA EQUIVALENT MODEL NUMBERS, SHEET G-E3, G-E4.
- ALL CABLES AND CONTROLS ORIGINATE IN MDF/IDF ELECTRICAL ROOM NO. 1603. PROVIDE ALL CABLING REQUIRED FOR A COMPLETE INSTALLATION. REFER TO SHEET MIN-E5 FOR LOCATION OF ROOM. PROVIDE PROPER CABLE FOR USE AND DISTANCE OF DEVICE. INCLUDE EXTENDERS, POWER SUPPLIES, ETC. AS REQUIRED.
- CONTRACTOR SHALL PROVIDE RACKS, ALL CISCO SWITCHES, PANDUIT PATCH PANELS, DATA JACKS, DELL SERVERS, ETC. AND VMS SYSTEMS SOFTWARE AS REQUIRED FOR A FULLY OPERABLE SYSTEM.
- ALL EXISTING CABLE USED FOR THE EXISTING ANALOG SYSTEM SHALL BE REPLACED WITH NEW CAT6E CABLES UTILIZING PoE. FIELD VERIFICATION, COORDINATION, MEANS AND METHODS OF INSTALLATION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. WHERE DISTANCE IS MORE THAN 265 FEET USE ETHERNET EXTENDERS.
- CONTROL STATIONS SHALL BE EQUIPPED WITH A CONTROL BOARD INCLUDING THE A JOYSTICK FOR ACCURATE CONTROL OF PTZ FUNCTIONS, KEYPAD FOR NAVIGATING BETWEEN WORKSPACES, AND ALL SOFTWARE.
- ALL CAMERAS SHALL HAVE REDUNDANT DATA CAPTURING THROUGH A 128GB SD CARD.
- REFER TO GENERAL NOTES ON SHEET G-E5 FOR ADDITIONAL AND PERTINENT INSTALLATION INSTRUCTIONS AND INFORMATION.
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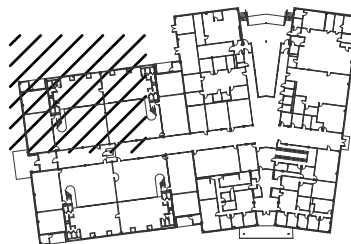
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RFP-COLLIN COUNTY  
SURVEILLANCE SYSTEM  
COLLIN COUNTY, TEXAS



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REVISION 1 07/24/2019



## KEY PLAN

Project No.: 32593-002

Issued: 03/05/2019

Drawn By: BM

Checked By: PA

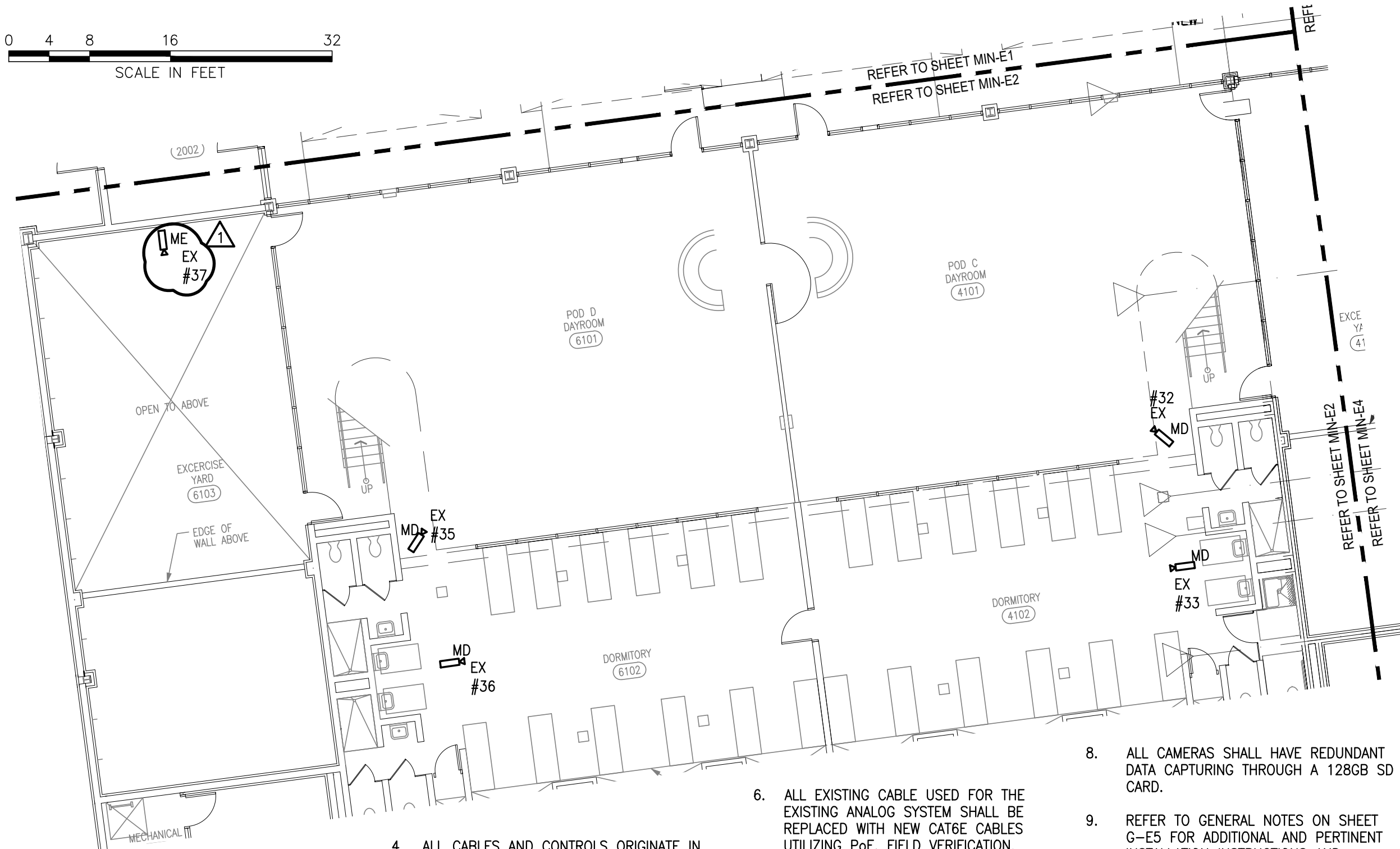
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Sheet Title  
MINIMUM SECURITY  
BUILDING  
FLOOR PLAN

MIN-E1

Sheet Number

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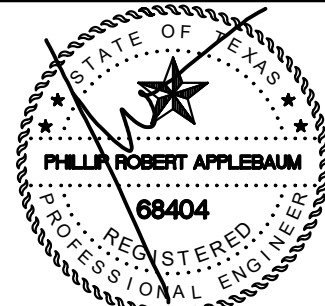
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- CONTROL STATIONS SHALL BE EQUIPPED WITH A CONTROL BOARD INCLUDING THE A JOYSTICK FOR ACCURATE CONTROL OF PTZ FUNCTIONS, KEYPAD FOR NAVIGATING BETWEEN WORKSPACES, AND ALL SOFTWARE.
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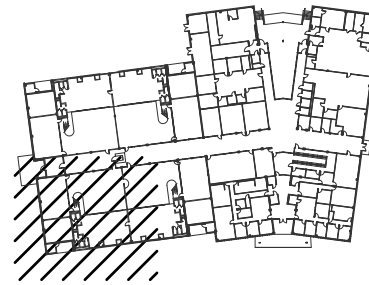
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## RFP-COLLIN COUNTY SURVEILLANCE SYSTEM COLLIN COUNTY, TEXAS



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REVISION 1 07/24/2019



### KEY PLAN

Project No.: 32593-002

Issued: 03/05/2019

Drawn By: BM

Checked By: PA

Scale: 3/32"=1'-0"

Sheet Title  
**MINIMUM SECURITY  
SURVEILLANCE  
FLOOR PLAN**

**MIN-E2**

Sheet Number



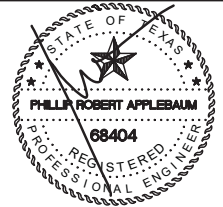
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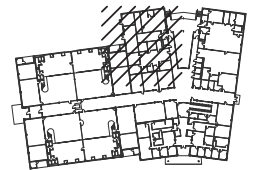


1201 N. BOWSER ROAD  
 RICHARDSON TEXAS 75081  
 (214) 346-6200  
 TBPE FIRM NO. 312  
 AVO 32593-002

**RFP-COLLIN COUNTY  
 SURVEILLANCE SYSTEM  
 COLLIN COUNTY, TEXAS**



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## KEY PLAN

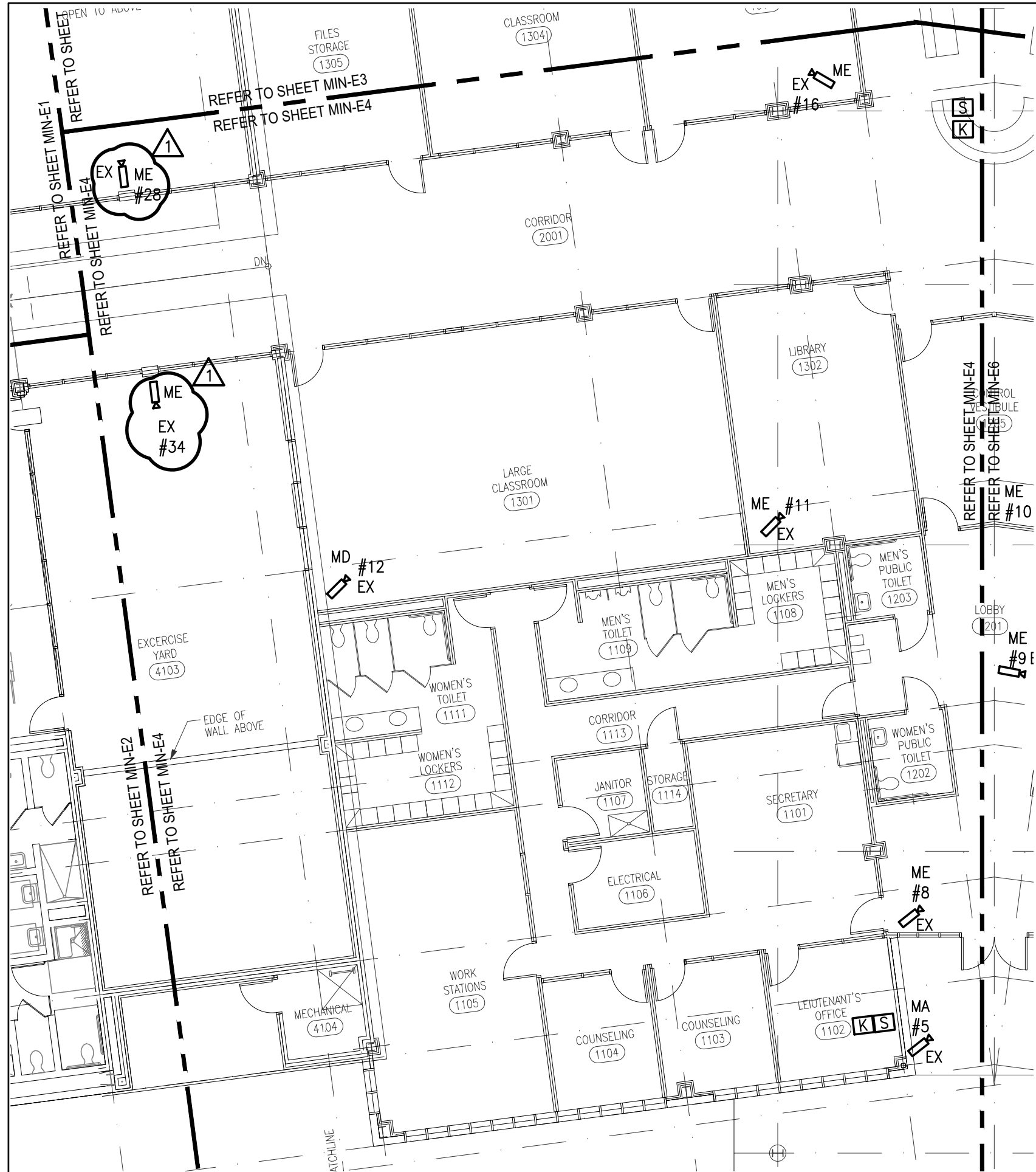
Project No.: 32593-002  
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 Drawn By: BM  
 Checked By: PA  
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Sheet Title  
**MINIMUM SECURITY  
 SURVEILLANCE  
 FLOOR PLAN**

**MIN-E3**

Sheet Number



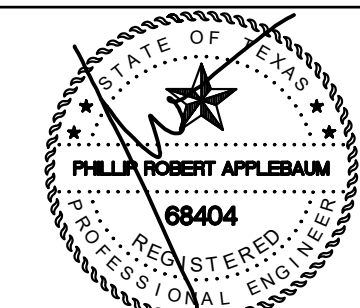


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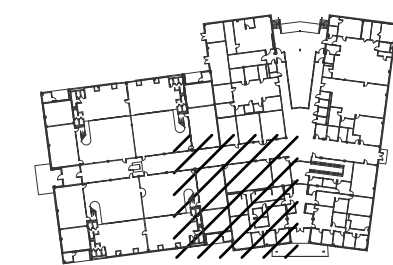


**RFP-COLLIN COUNTY  
SURVEILLANCE SYSTEM  
COLLIN COUNTY, TEXAS**



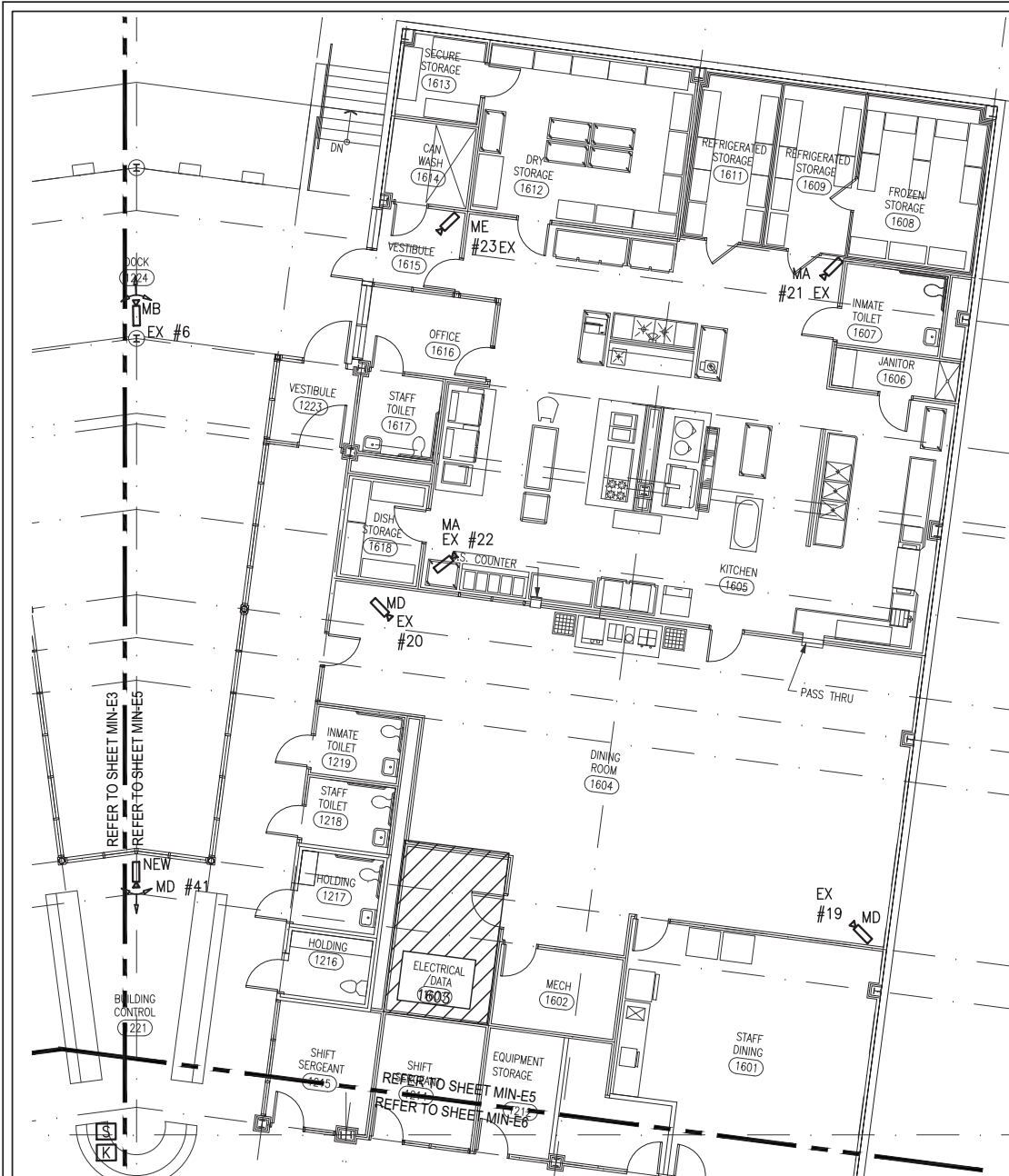
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**REVISION 1 07/24/2019**



### KEY PLAN

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Sheet Title	MINIMUM SECURITY SURVEILLANCE FLOOR PLAN
Sheet Number	MIN-E4



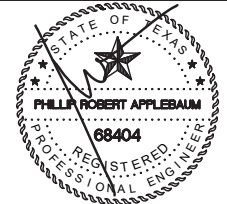
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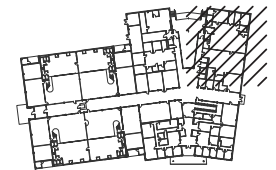


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 COLLIN COUNTY, TEXAS**



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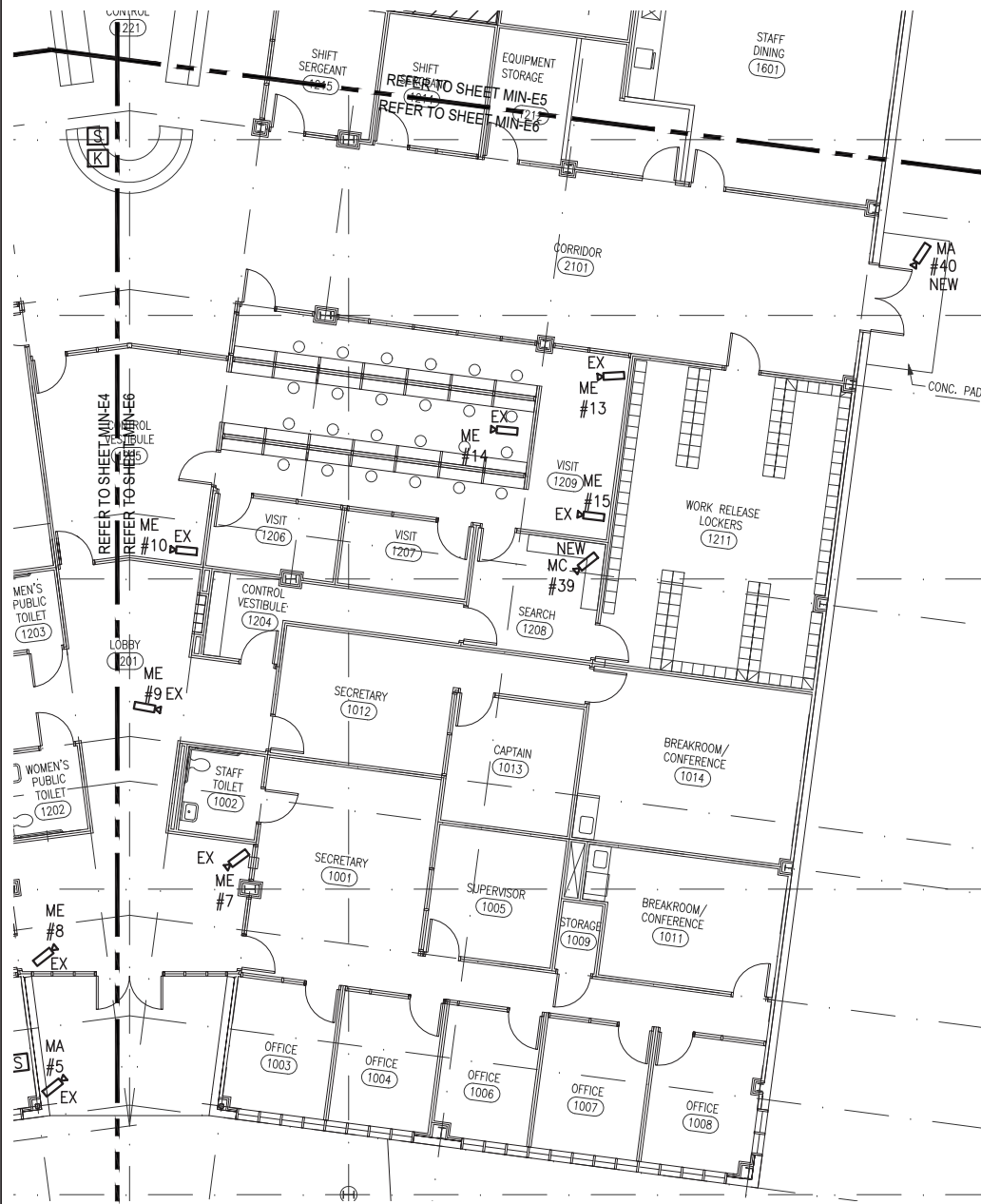
**KEY PLAN**

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Sheet Title  
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 FLOOR PLAN**

**MIN-E5**

Sheet Number



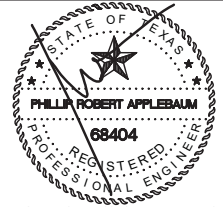
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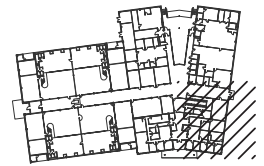


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Sheet Title  
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MIN-E6

Sheet Number