

Collin County Facilities and Construction Standards Justification

The following manufacturers/vendors are the standard suppliers of Facilities and Construction within the county for specific areas. Items on the standards list must be new and not refurbished devices. While this list of standards will guide procurement, it does not necessarily preclude the Facilities or Construction departments from soliciting bids based on generic specifications where the use of a specific manufacturer is not necessary or where a specific non-standard manufacturer is required for a specific line of business. This list is to serve as a guide subject to amendment, by future court order, as city and/or state mandates for county buildings and new construction.

Preferred Manufactures

Life Safety	
Manufacturer	Purpose
Edwards EST	Fire Alarm System in all buildings including Communication to Central Plant. Equipment is competitive
Harding	Intercom System <u>Station Quam</u>
HVAC	
Manufacturer	Purpose
Honeywell –Central Campus	Honeywell and Carrier Bacnet Standard protocol. To provide continuity of BAS systems in our Collin County buildings, Training, trouble shooting and management is easier/more efficient than multiple manufactures. Equipment is competitive
Carrier Bock-Energy Management System	Programming only <u>for buildings that have Carrier</u> – Sole Source by Court Order No. 97-357-05-27
Carrier ICP <u>or American Standard</u> A/C Systems	RTU and Split systems only. Equipment is competitive <u>American Standard – RTU and Split Systems. Large capacity air handlers – Nortek Temtrol units. NO Multizone VRV/VRF systems</u>
Belimo Valves	Actuator controlled HVAC valves. Equipment is competitive
Electrical	
Manufacturer	Purpose
APC-Uninterruptible Power Systems	To provide continuity of one UPS system in our Collin County buildings, Training, trouble shooting and management is easier than multiple manufactures. Equipment is competitive

GE or Square D Electrical Systems	To provide continuity of Electrical Systems in our Collin County buildings, Training, trouble shooting and management is easier than multiple manufactures. Equipment is competitive
Square D Electrical Monitoring	Preferred by Department
Schneider Electric Power Logic Monitoring	New buildings, PM8000 installed on incoming power as well as being able to monitor the ATSS status. Currently, meters connect to a PME server.
<u>HVAC Controls</u>	<u>Honeywell Controls for A/C and Distech Controls for UL Fire Controls – preferred manufacturer, equipment is competitive.</u>
<u>Generator Systems</u>	<u>Kohler or Cummins generator preferred by department. Equipment is competitive.</u>
<u>Automatic Transfer Switches</u>	<u>ASCO Series 300 transfer switches preferred by department.</u>

Detention Facilities	
Manufacturer	Purpose
Corrections Products Company (CPC)	Adtec 1101 Electro-Mechanical Lock - Sole Source by Court Order No. 2023-402-05-15 Cell locks are currently only used in Adult Detention Center Cluster 1 and 3.
Tech Works	Preferred Manufacturer for boards and power supplies to replace existing Dukane Intercom System at all Collin County Detention Facilities.
Building Finishes	
Manufacturer	Purpose
Armstrong	<u>2' x 4' x 5/8" 755BN Fissured 2' x 2' x 3/4" 574B Cirrus Square lay in and 704 Fissured square edge lay tile.</u>
Sherwin Williams	Paint colors: Tony Taupe (paint code #SW7038/b1a290) and Accessible Beige (paint code #SW7036). <u>Juvenile Detention ONLY – paint code Walls #6483 – Bouvant Blue/Trim paint code SW6486 – Reflecting Pool. Any deviation must be operationally justified and submitted ahead of time to the Facilities Director before approved.</u>
Tandus	Color/type: Aftermath II Carpet Tiles. <u>Any deviation must be operationally justified and submitted ahead of time to the Facilities Director before approved.</u>
Plumbing Fixtures	
Manufacturer	Purpose
Sloan	Flush Valves - Equipment is competitive. <u>Brass Zurn or Sloan - plumbing chases at the Adult Detention Facility.</u>
<u>Delta T&S</u>	T&S Commercial Grade Fixtures – Equipment is competitive
Building Hardware	
Manufacturer	Purpose

Sargent	Preferred Manufacturer. For panic exit devices on exterior double doors with electronic badge reader locking devices
Best	Electric and non-electric Mortise and Cylindrical locks. Preferred by Department.
Best SFIC Cylinders	In order to accept 7 pin cylinders <u>with L Keyway</u> currently in use. <u>BEST standard version of SFIC cores.</u>
Norton & LCN	Preferred Equipment is Competitive. With kush door stop or equal.
Hinges	If using continuous hinges, they must have serviceable cutouts.
<u>Exit Hardware Function</u>	<u>Electric latch retraction on exit hardware; only when Fire code allows.</u>
<u>Mullions</u>	<u>Keyed removable mullions where applicable.</u>
<u>Door Opening Type</u>	<u>Automatic door systems on all building entrances.</u>
<u>Access Control Hardware</u>	<u>Mercury LP-2500 Series SSP Controller – Access Control</u> <u>Mercury MR52-S3-B Series Door Controllers</u> <u>Honeywell 269R Hold-Up Switch Duress Button – Access Control</u> <u>SDC 15-2 Concealed Remote Desk Switch Door Release – Access Control</u> <u>HID Signo 40 (40NKS-00-000000 for wall mounted readers. No BT</u> <u>HID Signo 20 (20NKS-00-000000) for mullion mounted readers. No BT</u> <u>HID R90 (940NTNTEK00000) (Long Range Pedestal Mounted). No BT</u> <u>OptoHub Multiplexers - RS2 Technologies MUX-8</u> <u>Mercury Output panel - Mercury MR16OUT-S3</u> <u>Mercury Input panel - Mercury MR16IN-S3</u>

Preferred Service Providers

Security System		
Service Provider	Purpose	
Allied Universal/ Securadyne Systems Intermediate LLC	Programming of security system used with badge readers.	
CML Security	Programming, service and integration for electronic security systems to include door control, communications and video surveillance, touchscreens in the Collin County Detention Center.	
Radio Systems, I.T.		
Service Provider	Purpose	
Motorola	Radio systems and equipment. Sole Source by Court Order No. 97-815-11-24	

Standard System Requirements

Standard	Purpose
100% Generator Power plus 30 minute UPS back-up	All 24 hour facilities: Detention Facilities, Central Plant, and Medical Examiner; data back-up, State Jail Standards
Generator for Life Safety plus 30 minute UPS back-up	All County Buildings other than 24 hour facilities.
Generator run time must have minimum of 8 hour fuel capacity	All County Buildings.
Auto CAD and PDF Drawings	Used for design and as-built.
Dust Contamination Filtering	MDF, IDF, and A/V closets
MDF, IDF, and A/V Closets Room Clearance	Allow 36" around populated equipment racks.
MDF, IDF, and A/V Closets Waterline	One waterline in the room to feed the fire sprinkler line.
A/V Closets Thermostat	Individually controlled thermostat per closet.
MDF and IDF HVAC	Conditioned by individual CRAC units.
Wall Phones	Present in MDF, IDF, A/V closets, electrical and mechanical rooms.
Irrigation system	High efficiency sprinkler heads and drip system technology on irrigation system.
Water Heaters	Preferred Tankless. <u>American Standard for hot water heaters, Lochinvar for boilers.</u>
Domestic water and chill water strainers installed at or within the county buildings that are easily accessible for maintenance and repair.	
<u>External chiller connections.</u>	

HDPE Chilled water pipe preferred.
<u>Specific labels on all high and low voltage electrical panels.</u>
New County Building Penthouses need to be air conditioned.
<u>Xlerator eco XL-SB Automatic hand dryers.</u>
<u>Scott hand soap dispenser and cartridge.</u>
<u>Mop Sinks in all janitor closets.</u>
<u>Stainless steel in-wall trash cans.</u>
<u>Feminine product receptacles in all women's restroom stalls.</u>

<u>Electric latch retraction on exit hardware; only when Fire code allows.</u>
<u>Keyed removable mullions where applicable</u>
<u>Automatic door systems on all building entrances.</u>

Office Size Standards

Department/Personnel	Square Footage
Judge's Offices	300 sq. ft.
Elected Officials and Department Heads	225 sq. ft.
Managers	144 sq. ft.
Supervisors	120 sq. ft.
Probation	100 sq. ft.
Staff Cubicles	64 sq. ft.

Court Order Revisions:

2023-996-10-02

2021-1039-10-18

2018-119-01-12

2017-1000-12-11

2015-570-08-24

2015-031-01-12

2010-993-12-06