

SPACE TYPE: COURTROOM

Construction Criteria

The unit costs for Courtroom space types are based on the construction quality and design features in the following table. This information has been generally organized under Unifomat headings. Items marked with a ☑ have a space-related cost impact on the building shell and core.

Category	
Interior Construction	
<i>Partitions</i>	
<i>Courtrooms</i>	<ul style="list-style-type: none"> ■ Structural slab-to-slab ■ One hr fire rated ■ 55 STC ■ Two layers ½” GWB both sides on metal studs 16” OC ■ Acoustical insulation filling the wall cavity
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ■ Structural slab-to-slab ■ One hr fire rated ■ 65 STC ■ Two layers 5/8” GWB inside face on metal studs 24” OC married to 4” CMU with horizontal metal channel furring strips and two layers 5/8” GWB on outside face ■ Acoustical insulation filling the GWB wall cavity
<i>Soundlock</i>	<ul style="list-style-type: none"> ■ Structural slab-to-slab ■ One hr fire rated ■ 55 STC ■ Two layers ½” GWB both sides on metal studs 16” OC ■ Acoustical insulation filling the wall cavity
<i>Short Term Exhibit Storage</i>	<ul style="list-style-type: none"> ■ Structural slab-to-slab ■ One hr fire rated ■ Meet Class M – 15-minute attack resistance as defined in ASTM F 1247 Standard Specifications for Intrusion Resistant Generic Vault Structures ■ Two layers ½” GWB on ¼” steel plate firmly anchored with steel supporting members at 16” OC secured to building structural members with two layers ½” GWB on outside ■ All steel seams should be continuously welded ■ Acoustical insulation filling the wall cavity ■ No outlets cut through steel

Category	
Doors	
<i>Courtroom Entrance Doors (Courtroom and Public Soundlock)</i>	<ul style="list-style-type: none"> ■ Solid core 1¾" hardwood veneer double doors 6'- 0" (w) by 7'- 0" (h) with matching wood transom above ■ Door frames to be hardwood, stained and sealed ■ Frame, threshold and astragal sound gasket ■ Hardware to have panic release keyed locks inside with lever operation outside with concealed rod ■ Automatic closers
<i>Grand Jury Hearing Room Doors, Courtroom Judges Doors, Courtroom Jury Doors, and Outside Soundlock Door to Prisoner Holding Area</i>	<ul style="list-style-type: none"> ■ Solid core 1¾" hardwood veneer doors 3'- 0" (w) by 7'- 0" (h) ■ Door frames to be solid hardwood, stained and sealed ■ Frame and threshold sound gasketing ■ Hardware to be locksets with levers in brushed brass finish ■ Key locks with conduit connections for fail-safe electric locks connected to the fire alarm system; electric locks provided by USMS ■ Automatic closers
<i>Doors for Short Term Exhibit Storage</i>	<ul style="list-style-type: none"> ■ Equipped with GSA Class V vault doors as defined in Federal Specification AA-D-00600C or a Class M Vault door as defined by Underwriters Laboratory Standard UL 608 Burglary Resistant Vault Doors and Modular Panels ■ 1¾" hardwood door with a minimum 12-gauge metal face sheet secured to inside face of the door ■ Door frames will be a minimum 14 gauge construction with hardwood face trim ■ Hinges shall be concealed from the outside of the storage area ■ Hinge pins shall be secured against removal ■ Locks shall be a minimum built-in three-position dial-type changeable combination Group 1R lock as defined by UL 768 Standard for Combination Locks or a combination lock that meets the requirements of the Federal Specification FF-L-2740
Signage	
<i>Courtroom, Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ■ Room identification signage to be raised brass letters mounted on wall beside the door, with ADAAG compliant tactile Braille brass signage modules
Floor	
<i>Courtrooms</i>	<ul style="list-style-type: none"> ☑ Judge's Bench to have 24" raised dais above the courtroom floor ☑ Courtroom Deputy Clerk and Law Clerk station to have 6" raised dais above the courtroom floor ☑ Witness Stand to have 12" raised dais above the courtroom floor ☑ Jury Box to have two-level raised platform at 6" and 12" above the courtroom floor ■ The public seating area and courtroom well to be raised floor
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ☑ Underfloor plenum dividers under doors ☑ Two-level raised dais for jury seating at 6" and 12" above the hearing room floor ☑ Raised dais for U.S. Attorney at 12" above the hearing room floor ☑ Raised dais for the Witness and Foreperson at 6" above the hearing room floor
<i>Evidence Storage</i>	<ul style="list-style-type: none"> ☑ ¼" metal plate secured for the floor ☑ All seams and joints continuously welded

Category	
Interior Finishes	
<i>Walls</i>	
<i>Courtrooms</i>	<ul style="list-style-type: none"> ■ Wall surface behind Judge’s Bench to have 108” (h) hardwood veneer paneling wainscot with fabric faced wall covering above ■ Wall opposite the Jury Box to have 50” (h) hardwood veneer paneling wainscot with fabric faced wall covering above
	<ul style="list-style-type: none"> ■ Wall surface behind Jury Box seating to have 50” (h) hardwood veneer paneling wainscot with 2” thick acoustical insulated fabric covered panels above ■ Walls around spectator seating to have 36” (h) hardwood veneer paneling wainscot with 2” thick acoustical insulated fabric covered panels above
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ■ Wall surface behind U.S. Attorneys, Witness and Foreperson to have 50” (h) hardwood veneer paneling wainscot with fabric faced wall covering above ■ Wall surface behind Juror seating to have 36” (h) hardwood veneer paneling wainscot with 2” thick acoustical insulated fabric covered panels above
<i>Soundlock</i>	<ul style="list-style-type: none"> ■ Wall surface to have Type II vinyl wall covering
<i>Short Term Exhibit Storage, Equipment or Video Storage, Closets, Service Units, Coat Rack Rooms and Communicating Stairs</i>	<ul style="list-style-type: none"> ■ Painted with vinyl cove base
Floors	
<i>Courtroom, Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ■ Carpet tile (raised floor area) ■ Dais and public seating areas carpet tile ■ 32 ounces per square yard face weight ■ Yarn dyed color ■ Fourth generation nylon yarn ■ Bonded construction with cushioned back
<i>Soundlock</i>	<ul style="list-style-type: none"> ■ Carpet tile (raised floor well area) ■ 32 ounces per square yard face weight ■ Yarn dyed color ■ Fourth generation nylon yarn ■ Bonded construction with cushioned back
<i>Short Term Exhibit Storage</i>	<ul style="list-style-type: none"> ■ Vinyl composition tile
Ceiling	
<i>Courtrooms</i>	<ul style="list-style-type: none"> ☑ Raised GWB coffer with perimeter cove at well area from Judge’s Bench to Public Rail ■ Suspended 24” x 24” acoustical tile ceiling above public seating provided as part of building shell and core provisions
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ☑ Raised GWB coffer with perimeter cove ■ 24” x 24” acoustical tile ceiling provided as part of building shell and core provisions

Category	
<i>Soundlock</i>	<ul style="list-style-type: none"> ■ Suspended 24" x 24" acoustical tile ceiling provided as part of building shell and core provisions
<i>Short Term Exhibit Storage</i>	<ul style="list-style-type: none"> ☑ One hr fire rated ☑ Meet Class M – 15-minute attack resistance as defined in ASTM F 1247 Standard Specifications for Intrusion Resistant Generic Vault Structures ☑ One layer ½" GWB on ¼" thick steel plate firmly anchored with steel supporting members at 24" OC secured to building structural members
	<ul style="list-style-type: none"> ☑ All steel seams should be continuously welded ☑ Provide security barrier grilles in all openings
Conveying Systems	
<i>Lifts</i>	<ul style="list-style-type: none"> ■ Lifts will have welded construction with electro-hydraulic operation ■ 3' - 6" (h) stand brushed brass handrail ■ Constant pressure controls ■ Limit switch ■ Battery backup ■ Obstruction sensors
<i>Courtroom</i>	<ul style="list-style-type: none"> ■ Ramps will be provided to Clerks and Jury Box areas ■ A lift will be provided to the Witness Stand ■ Judge's Bench will be served by stair and shared Witness Stand lift with additional stop
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ■ A single lift will be provided to serve raised U.S. Attorney, Witness, and Jury Foreperson stations
HVAC	
<i>Air Distribution System</i>	
<i>Air Handling Unit</i>	<ul style="list-style-type: none"> ☑ AHUs are part of the building shell and core provisions; assume that the Tenant Improvement for this space type requires a 25% increase in cooling capacity ☑ Provide one AHU for every pair of courtrooms ☑ Courtrooms to have separate zones for the well and public seating ☑ The Grand Jury Hearing Room to be a separate zone from other spaces in the Grand Jury Suite
<i>Air Supply</i>	<ul style="list-style-type: none"> ■ Pressurized raised floor air supply with ceiling plenum return air is part of the building shell and core provisions
<i>Thermostat Controls</i>	<ul style="list-style-type: none"> ■ Provide override controls for all the thermostats by the BAS ☑ Courtroom: provide separate controls at the Judges Bench and the Deputy Courtroom Clerk

Category	
Fire Protection	
<i>Fire Suppression</i>	<ul style="list-style-type: none"> ■ Sprinkler system is part of the building shell and core provisions; assume that Tenant Improvements for this space type requires relocation of 10% sprinkler heads ■ Fire and smoke dampers to be provided in rated walls ■ Leak detection below all raised areas provided as part of building shell and core provisions
<i>Fire and Smoke Detection</i>	<ul style="list-style-type: none"> ■ One smoke and heat detection device in each occupiable space
<i>Courtrooms, Grand Jury Hearing Rooms</i>	<ul style="list-style-type: none"> ■ One fire alarm pull station
<i>Fire Alarms</i>	<ul style="list-style-type: none"> ■ Audible and visible (strobe) alarm in each occupiable space
Electrical	
<i>Uninterruptible Power Supply</i>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Emergency power provided by generator(s) in building shell and core provisions
<i>Electrical Outlets</i>	
<i>Courtroom</i>	<ul style="list-style-type: none"> ■ Judges Bench one quadplex outlet and one duplex outlet with dedicated line; additional duplex outlet for video arraignment ■ Deputy Clerk and Law Clerk one quadplex outlets per station, one duplex outlet with dedicated line per station ■ Two duplex outlets on front of Judge's Bench ■ Two outlets on front wall for display equipment ■ Witness box to have one duplex outlet ■ Court Reporter/Court Recorder to have one quadplex electrical outlet and one duplex outlet with dedicated line ■ Well Area (Lectern, Attorney's Table) to have six recessed quadplex outlets with covers in raised floor with one outlet with dedicated line for the bailiff ■ Jury Box to have one quadplex outlet on the front rail ■ Spectator seating to have one duplex outlet on front rail ■ Three duplex wall outlets ■ Six recessed outlets at upper wall for cameras and clocks
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ■ Attorney to have one quadplex electrical outlet ■ Court Reporter to have one quadplex, one duplex with dedicated line ■ Witness Interpreter to have one duplex electrical outlet ■ Jury Foreperson to have one quadplex electrical outlet ■ Jury Seating to have one duplex electrical outlet for every two jurors ■ Two wall convenience outlets ■ Provide one recessed outlet for a clock
<i>Courtroom Soundlock</i>	<ul style="list-style-type: none"> ■ One duplex outlet for metal detector screening

Category	
<i>Lighting</i>	
<i>Courtrooms</i>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Well area to have metal halide uplighting, with strip fluorescent perimeter cove fixtures <input checked="" type="checkbox"/> Judge's Bench and Witness Stand to have recessed down light above with compact fluorescent lamp every 10 SF <input type="checkbox"/> Spectator seating to have one parabolic fluorescent 24" (w) by 48" (l) recessed ceiling fixture with two T-8 lamps and electronic ballasts located every 80 SF provided as part of the building shell and core provisions (or T-5 equivalent) <input checked="" type="checkbox"/> Dimmable light controls located at the Judges Bench, Courtroom Deputy Clerk Station and wall behind the bailiffs station
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Metal halide uplighting, with strip fluorescent perimeter cove fixtures <input checked="" type="checkbox"/> Witness Stand, Attorney and Foreperson to have recessed down light with compact fluorescent lamp every 10 SF <input checked="" type="checkbox"/> Dimmable light controls located at the U.S Attorney table and at the entrance
<i>Sound Locks for Courtroom Public Entrance</i>	<ul style="list-style-type: none"> <input type="checkbox"/> One parabolic fluorescent 24" (w) by 48" (l) recessed ceiling fixture with two T-8 lamps and electronic ballasts provided as part of building shell and core provisions (or T-5 equivalent)
<i>Telephone and Communication Outlets</i>	<ul style="list-style-type: none"> <input type="checkbox"/> Conduit and pathways for services from the core to the tenant demised space provided as part of the building shell and core provisions; conduit and boxes within the tenant suite are part of the Tenant Improvement unit costs <input type="checkbox"/> Conduit and power for communications and data equipment provided as part of the Tenant Improvement unit costs; telephones and cabling provided by USC <input type="checkbox"/> Conduit and boxes for sound reinforcement system with microphones, splitters, amplification, recording, speakers ALS transmitters and receivers and remote control system provided as part of the Tenant Improvement unit costs; equipment and wiring provided by USC

Category	
<i>Courtroom</i>	<ul style="list-style-type: none"> ■ Conduit and boxes for one multiple telephone line, one microphone line with speaker and two LAN connections (computer and printer) at Judge’s Bench provided as part of the Tenant Improvement unit costs; equipment and cabling provided by USC ■ Conduit and boxes for one telephone line and one microphone and two LAN connections (computer and printer) for Deputy Clerk provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for one microphone at Witness Stand provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for one video monitor for every two jurors with speakers and microphone outlets at each monitor at Jury Box provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for one microphone, one video connection for recorder/player and one LAN connection (computer) for Court Reporter/recorder provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for five microphones (for Attorney/Litigant Tables, Bailiff and Lectern), one telephone line (for Bailiff), four video monitors recessed floor connections (one for each attorney litigant table), and five floor recessed LAN connection outlets with covers provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for one telephone line per station, two LAN connections per station (computer and printer) for Law Clerks provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for PA loudspeaker system consisting of recessed ceiling mounted speakers and concealed wall speakers behind fabric panels provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for one infrared assisted listening device transmitter mounted at ceiling height provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for six recessed LAN/cable connections at upper wall for cameras and clocks provided as part of Tenant Improvement unit costs; equipment and cabling by USC
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ■ Conduit and boxes for one telephone line, one microphone line with recorder control and speaker at U.S. Attorney Table provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for one microphone and speaker at Witness Stand provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for one microphone and speaker for Jury Foreperson provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for Jury: one speaker for every two jurors provided as part of Tenant Improvement unit costs; equipment and cabling by USC
	<ul style="list-style-type: none"> ■ Conduit and boxes for PA loudspeaker system consisting of recessed ceiling mounted speakers and concealed wall speakers behind fabric panels provided as part of Tenant Improvement unit costs; equipment and cabling by USC ■ Conduit and boxes for one infrared assisted listening device transmitter mounted at ceiling height provided as part of Tenant Improvement unit costs; equipment and cabling by USC
<i>Security Systems</i>	<ul style="list-style-type: none"> ■ Provide conduit and power for security equipment; equipment and wiring is to be provided by the USMS

Category	
<i>Courtroom</i>	<ul style="list-style-type: none"> ■ Conduit and boxes for duress alarm at Judges Bench; equipment and cabling provided by USMS ■ Conduit and boxes for duress alarm for Deputy Clerk; equipment and cabling provided by USMS ■ Conduit and boxes for duress alarm for Law clerk; equipment and cabling provided by USMS ■ Conduit and boxes for duress alarm for Bailiff; equipment and cabling provided by USMS ■ Conduit and boxes for CCTV camera; equipment and cabling provided by USMS
<i>Grand Jury Hearing Room</i>	<ul style="list-style-type: none"> ■ Conduit and boxes for duress alarm for U.S. Attorneys; equipment and cabling provided by USMS ■ Conduit and boxes for duress alarm for Bailiff; equipment and cabling provided by USMS ■ Conduit and boxes for CCTV camera; equipment and cabling provided by USMS
Furnishings	
<i>Casework</i>	
<i>Courtroom</i>	<ul style="list-style-type: none"> ■ All millwork to be AWI premium grade hardwood veneer panels with solid hardwood dimensional lumber caps ■ Judges Bench to have a 30" (d) work surface with a raised cap and solid modesty face panel with two pedestals, one with drawers for supply storage, and the second with shelves for statute books and reference materials; bench to be lined with ballistic material ■ Witness box with an 18" (d) evidence shelf and solid modesty face and side panel, a solid gate with double swinging hinges, and a secure locking latch to contain witnesses under custody ■ Courtroom Deputy Clerk station to have a work surface 24" (d) with a raised cap and solid modesty face panel with one file pedestal and one shelf pedestal ■ Two attorney tables, 42" (d) x 84" (w) minimum ■ Law Clerk stations to have a work surface 24" (d) with a raised cap and solid modesty face panel with two pedestals, one with file drawers and the second with storage shelves ■ Courtroom Reporter/Recorder station to have a work surface 24" (d), with a raised cap and solid modesty face panel with one file pedestal and one shelf pedestal ■ Bailiff station to have a work surface 24" (d), with a raised cap and solid modesty face panel with one shelf pedestal ■ Jury Box to have a solid panel front rail face with a shelf cap 1' - 0" (d) with an integral stainless steel foot rail and a foot rail on the upper row ■ Lectern to have electromechanical adjustable height with a sloped wood surface
	<ul style="list-style-type: none"> ■ Public Rail to be solid panel with a double gate with double swinging action ■ Public seating to be wood bench seats with lumbar curved back support

Category	
<i>Grand Jury Room</i>	<ul style="list-style-type: none"> ■ All millwork to be AWI premium grade hardwood veneer panels with solid hardwood dimensional lumber ■ U.S. Attorney to have a 30" (d) work surface with a solid face modesty panel and raised cap rail ■ Court Reporter/Recorder: to have 30" (d) a work surface with a solid face modesty panel and raised cap rail with one pedestal with pencil, supply and file drawers ■ Witness Box to have a modesty panel with a 1'- 0" (d) display shelf at 30" above the Witness Stand floor height ■ Foreperson to have a 30" (d) work surface with solid face modesty panel and raised cap rail ■ Juror Seating to have 18" deep wood table surface on painted steel supports
<i>Fixed Furniture</i>	
<i>Courtroom</i>	<ul style="list-style-type: none"> ■ Jury Box with 18 fixed based swiveling chairs with upholstered seats
<i>Grand Jury Room</i>	<ul style="list-style-type: none"> ■ Jury Seating with 21 fixed based swiveling chairs with upholstered seats