

## SPACE TYPE: LIBRARY

### Construction Criteria

The unit costs for Library 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 impact cost on the building shell and core.

Category	
<b>Shell Superstructure</b>	
<i>Floor Construction</i>	<input checked="" type="checkbox"/> Library stacks and records storage 150 LB/SF live load
<b>Interior Construction</b>	
<i>Partitions</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ ½" GWB on metal studs at 16" OC</li> <li>■ Floor-to-ceiling grid</li> </ul>
<i>Suite Perimeter and Public Corridor</i>	<ul style="list-style-type: none"> <li>■ Structural slab-to-slab</li> <li>■ One layer 5/8" GWB both sides on metal studs at 24" OC</li> <li>■ Acoustical insulation</li> <li>■ 45 STC</li> </ul>
<i>AV Workroom and Audio Lab</i>	<ul style="list-style-type: none"> <li>■ Floor-to-slab</li> <li>■ One layer 5/8" GWB both sides on metal studs at 24" OC with underfloor plenum divider</li> <li>■ Acoustical insulation</li> <li>■ 45 STC</li> </ul>
<i>Doors</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ Solid core 1¾" hardwood veneer doors 3' - 0" (w) by 7' - 0" (h)</li> <li>■ Door frames will be a minimum 14 gauge metal frame construction</li> <li>■ Hardware to be latch sets with levers</li> </ul>
<i>Main Suite Entrance, and Perimeter Exits</i>	<ul style="list-style-type: none"> <li>■ Solid core 1¾" hardwood veneer doors 3' - 0" (w) by 7' - 0" (h)</li> <li>■ Door frames will be a minimum 14 gauge metal frame construction</li> <li>■ Frame sound gasketing and threshold gasket</li> <li>■ Hardware to be locksets with levers</li> <li>■ Key locks</li> <li>■ Automatic closers</li> </ul>

Category	
<i>AV Workroom, Audio Lab</i>	<ul style="list-style-type: none"> <li>■ Solid core 1¾" hardwood veneer doors 3'- 0" (w) by 7'- 0" (h)</li> <li>■ Door frames will be a minimum 14 gauge metal frame construction</li> <li>■ Frame sound gasketing</li> </ul>
	<ul style="list-style-type: none"> <li>■ Hardware to be locksets with levers</li> <li>■ Key locks</li> </ul>
<i>Signage</i>	
<i>Suite Entrance</i>	<ul style="list-style-type: none"> <li>■ Room identification signage to be raised plastic letters mounted beside the door with raised Braille on ADAAG compliant module</li> </ul>
<i>Room Signage System</i>	<ul style="list-style-type: none"> <li>■ Signage for life safety, public convenience (toilets) within the functional areas of the tenant will be included in the unit costs and will be building standard modular vinyl lettering on plastic laminate signage frame system with ADAAG compliant tactile Braille vinyl signage modules</li> <li>■ Signage requirements within the tenant demised space related to their function will be provided by the tenant</li> </ul>
<i>Window Treatment</i>	<ul style="list-style-type: none"> <li>■ Horizontal 1" louver blinds</li> <li>■ Anti-static painted aluminum louvers</li> <li>■ Concealed valance free head</li> </ul>
<b>Interior Finishes</b>	
<i>Walls</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ Low VOC semi-gloss paint with vinyl cove base</li> </ul>
<i>Public Entrances, Check Out, Card Catalog, Terminals/ Microfiche</i>	<ul style="list-style-type: none"> <li>■ Type II vinyl wall covering with vinyl cove base</li> </ul>
<i>Work Rooms, Store Room</i>	<ul style="list-style-type: none"> <li>■ Low VOC semi-gloss paint with vinyl cove base</li> <li>■ Steel corner guards</li> </ul>
<i>Floors</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ 6'- 0" broadloom carpet</li> <li>■ 32 oz per square yard level loop</li> <li>■ Yarn dyed color with pattern</li> <li>■ Fourth generation nylon yarn</li> <li>■ Bonded construction with cushioned back</li> </ul>
<i>Work Rooms, Storage Room</i>	<ul style="list-style-type: none"> <li>■ Resilient vinyl tile with vinyl cove base</li> </ul>
<i>Ceiling</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ Suspended 24" by 24" acoustical tile ceiling included as part of the building shell and core provisions</li> </ul>

Category	
<b>HVAC</b>	
<i>Air Distribution System</i>	
<i>Air Handling Unit</i>	<ul style="list-style-type: none"> <li>■ AHUs are part of the building shell and core provisions; assume no additional cooling capacity is required</li> <li>■ One filter change provided</li> <li>■ Each floor has a separate AHU</li> <li>■ See building shell and core provisions for other zoning requirements</li> </ul>
<i>Air Supply</i>	<ul style="list-style-type: none"> <li>■ Pressurized raised floor air supply with ceiling plenum return air is part of the building shell and core provisions</li> <li>☑ Sound baffles at all acoustically rated partitions at Chief/Head Offices, conference rooms, tenant demising partitions</li> </ul>
<i>Exhaust Air</i>	<ul style="list-style-type: none"> <li>☑ Copier area provide direct 100% exhaust</li> </ul>
<i>Thermostat Controls</i>	<ul style="list-style-type: none"> <li>☑ Provide setback thermostat even in areas of 24 hr operation with override control by building shell and core BAS</li> </ul>
<b>Fire Protection</b>	
<i>Fire Suppression</i>	<ul style="list-style-type: none"> <li>■ Sprinkler system is part of the building shell and core provisions; assume that Tenant Improvement for this space type requires relocation of 10% sprinkler heads</li> <li>■ Fire and smoke dampers to be provided in rated walls</li> </ul>
<i>Fire and Smoke Detection</i>	<ul style="list-style-type: none"> <li>■ One smoke and heat detection device in each occupiable space</li> <li>■ One fire alarm pull station by each egress point</li> </ul>
<i>Fire Alarms</i>	<ul style="list-style-type: none"> <li>■ Audible and visible (strobe) alarm in each occupiable space</li> </ul>
<b>Electrical</b>	
<i>Electrical Outlets</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ Wall mounted duplex outlets every wall or every 50' - 0" OC</li> <li>■ One recessed wall duplex outlet for clock</li> </ul>
<i>Terminal/ Microfiche</i>	<ul style="list-style-type: none"> <li>■ One wall mounted duplex outlet every 4' - 0" paired on dedicated line</li> <li>■ Two recessed floor mounted quadplex outlets centered in room</li> <li>■ One recessed wall duplex outlet for clock</li> </ul>
<i>Copier Area</i>	<ul style="list-style-type: none"> <li>■ Provide special NEMA types as required for copiers</li> </ul>
<i>Check Out</i>	<ul style="list-style-type: none"> <li>■ Four quadplex counter splash mounted electrical outlet paired on dedicated line</li> </ul>

Category	
<i>AV Workroom, Audio Lab, Work Room</i>	<ul style="list-style-type: none"> <li>■ One quadplex counter splash mounted electrical outlet every 4' - 0" paired on dedicated line</li> </ul>

Category	
<i>Lighting</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ General lighting provided as part of the building standard shell and core provisions with a minimum of one 24" (w) by 48" (l) recessed parabolic fluorescent fixture with two T-8 lamps and electronic ballasts per room and additional fixtures per every 80 SF (or T-5 equivalent)</li> <li>■ Independent switch control for each suite with 3 way switches at each entrance and for each enclosed space, including offices, work rooms, file rooms, closets</li> </ul>
<i>AV Workroom</i>	<ul style="list-style-type: none"> <li>■ Parabolic fluorescent 24" (w) by 48" (l) recessed ceiling fixtures located every 80 SF</li> <li><input checked="" type="checkbox"/> Dimmable light controls located on the wall at the entrance</li> </ul>
<i>Telephone and Communication Outlets</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ 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</li> <li>■ Conduit and telephone outlet boxes are part of the Tenant Improvement unit costs; telephone systems and data LAN systems provided by tenant</li> <li>■ Conduit and boxes for one telephone for every room provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> <li>■ Conduit and boxes for one LAN connection for every room provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> <li>■ Conduit and boxes for one ceiling mounted PA speaker for every 1,000 SF provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> </ul>
<i>Terminals</i>	<ul style="list-style-type: none"> <li>■ Conduit and boxes for one wall mounted LAN connection every 4' - 0" provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> </ul>
<i>Check Out</i>	<ul style="list-style-type: none"> <li>■ Conduit and boxes for two desk mounted telephone lines provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> <li>■ Conduit and boxes for two desk mounted LAN connections provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> <li>■ Conduit and boxes for one ceiling mounted PA speaker provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> </ul>
<i>AV Workroom, Audio Workroom</i>	<ul style="list-style-type: none"> <li>■ Conduit and boxes for one wall mounted telephone line provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> <li>■ Conduit and boxes for wall mounted receptacles for one LAN connection every 4' - 0" provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> <li>■ Conduit and boxes for one ceiling mounted PA speaker provided as part of Tenant Improvement unit costs; equipment and wiring provided by tenant</li> </ul>

<b>Category</b>	
<i>Security Systems and Duress Alarms</i>	
<i>Public Entrance</i>	<ul style="list-style-type: none"> <li>■ Power connection, conduit and boxes for magnetic book security detector system provided as part of the Tenant Improvement unit costs; equipment and wiring provided by tenant</li> </ul>
<i>Check Out</i>	<ul style="list-style-type: none"> <li>■ Power connection, conduit and boxes for book magnetic code/decoder provided as part of the Tenant Improvement unit costs; equipment and wiring provided by tenant</li> <li>■ At Courthouse buildings, power connection, conduit and boxes for one desk mounted duress alarm provided as part of the Tenant Improvement unit costs; equipment provided by USMS</li> </ul>
<i>Librarian Office</i>	<ul style="list-style-type: none"> <li>■ At courts buildings, power connection, conduit and boxes for one desk mounted duress alarm provided as part of the Tenant Improvement unit costs; equipment provided by USMS</li> </ul>
<b>Furnishings</b>	
<i>Casework</i>	
<i>General</i>	<ul style="list-style-type: none"> <li>■ All millwork to be AWI custom grade hardwood veneer panels and plastic laminate tops with solid hardwood dimensional lumber</li> </ul>
<i>Check Out</i>	<ul style="list-style-type: none"> <li>■ 10' - 0" (l) counter with transaction height 10" (d) surface and 29" (h) desk surface behind, with fluorescent strip tube lighting, grommet holes for wiring, and two pedestals with drawers</li> </ul>
<i>Library Shelving</i>	<ul style="list-style-type: none"> <li>■ For Courthouse buildings only, AWI custom grade hardwood veneer shelving units, double 12" (d) shelves 4' - 0" (l) by 6' - 0" (h)</li> <li>■ Shelving in libraries for other tenancies provided by tenant</li> </ul>