SECTION 06 10 00 – ROUGH CARPENTRY

PART 1 – GENERAL

1.1 RELATED SECTIONS

A. Section 02 41 00 – Demolition
B. Section 01 73 29 – Cutting and Patching
C. Section 06 20 23 – Interior Finish Carpentry
D. Section 08 14 16 – Flush Wood Doors
E. Section 08 71 00 – Door Hardware
F. Section 09 21 16 – Gypsum Board Assemblies
G. Section 22 40 00 – Plumbing Fixtures, where applicable

1.2 REFERENCES

A. American Wood Protection Association (AWPA): applicable standards for preservative-treated wood.
B. American Wood Council (AWC): National Design Specification for Wood Construction, where structural design requirements apply.
C. ASTM International (ASTM): applicable standards for wood-based structural panels and fasteners.
D. APA – The Engineered Wood Association: Product and installation recommendations for wood structural panels.
E. National Design Specification and applicable building code requirements for fastening, anchorage, and fire-retardant-treated wood where required.

1.3 SUBMITTALS

A. Product data for preservative-treated lumber, fire-retardant-treated lumber where required, engineered wood products, wood structural panels, construction adhesives, and specialty fasteners.
B. Certificates for treatment materials where treated wood is required.
C. Submit proposed substitutions for review and approval by Architect.

1.4 QUALITY ASSURANCE

A. Provide lumber and wood products graded and marked by an agency recognized by the American Lumber Standard Committee or other code-recognized grading agency.
B. Provide materials suitable for concealed framing, blocking, backing, and support conditions in existing occupied residential bathrooms.
C. Coordinate locations of blocking and backing with plumbing fixtures, grab bars, shower accessories, cabinetry, pocket-door framing, wall-mounted accessories, and other items requiring secure attachment.

1.5 DELIVERY, STORAGE AND HANDLING

A. Keep wood products dry and protected from weather, soil contact, moisture, and physical damage. Store above ground on level supports.

B. Do not install wet, warped, split, damaged, mold-affected, or otherwise unsuitable materials.

1.6 EXISTING CONDITIONS

A. Verify existing framing, wall construction, utilities, and concealed conditions before cutting or installing new rough carpentry.

B. Do not cut structural framing without written approval. Notify Architect of deteriorated, damaged, or structurally questionable existing framing discovered during demolition.

PART 2 – PRODUCTS

2.1 LUMBER

A. Dimension Lumber: No. 2 grade or better, kiln-dried, species suitable for intended use and compatible with existing construction.

B. Moisture Content: 19 percent maximum at time of installation unless a lower value is required by the applicable product or assembly.

C. Provide straight, sound members free of defects that impair strength, fastening, or finish installation.

2.2 BLOCKING AND BACKING

A. Provide solid wood blocking, engineered wood blocking, or wood structural panel backing of size and thickness required to support imposed loads and securely anchor finish work and equipment.

B. Grab Bars and Accessible Accessories: Provide continuous solid blocking or engineered backing at each attachment point and over sufficient area to accommodate field adjustment of mounting locations. Size and anchor backing to support code-required loads and manufacturer requirements.

C. Shower Equipment: Provide blocking for handheld shower/grab-bar assemblies, valve trim, wall elbows, and other wall-mounted shower components requiring structural support.

D. Cabinetry and Vanities: Provide concealed blocking at wall-mounted cabinetry, countertops, mirrors/mirror cabinets, accessories, and other casework requiring secure wall attachment.

E. Pocket Doors: Provide framing, headers, jamb backing, and attachment surfaces required for specified pocket-door frame and hardware system. Coordinate with Section 08 14 16 Flush Wood Doors and Section 08 71 00 Door Hardware.

2.3 WOOD STRUCTURAL PANELS

A. Plywood or OSB: APA-rated panels suitable for intended concealed backing or substrate use; thickness as required for span, fastening, and load.

B. In bathroom and other moisture-prone locations, provide Exposure 1 or exterior-rated panels where exposure during construction or service conditions warrants.

2.4 TREATED WOOD

A. Preservative-Treated Wood: Provide where wood is in contact with concrete or masonry, in locations subject to moisture, or where required by code.

B. Fasteners in treated wood shall be compatible with treatment chemicals and corrosion-resistant as required by treatment manufacturer.

2.5 FASTENERS AND ACCESSORIES

A. Provide screws, nails, anchors, bolts, connectors, and other fasteners of type, size, and spacing required for the substrate and supported item.

B. Use corrosion-resistant fasteners in damp locations and where exposed to treated lumber or moisture.

C. Construction Adhesive: Low-emitting, compatible with substrates, and recommended by manufacturer for intended application; adhesive shall supplement and not replace required mechanical fastening unless specifically approved.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Examine substrates and existing framing. Do not proceed until conditions detrimental to proper installation have been corrected.

B. Verify locations of concealed piping, electrical wiring, and other utilities before drilling, fastening, or cutting.

3.2 INSTALLATION

A. Install rough carpentry accurately, plumb, level, true to line, and securely fastened. Fit members closely and provide full bearing at supports.

B. Cut and fit around existing construction without unnecessary damage. Do not notch or bore framing beyond code-permitted limits.

C. Install blocking and backing before walls are closed. Coordinate exact locations with approved fixture, accessory, hardware, and cabinetry requirements.

D. Provide additional blocking where field conditions indicate that specified wall-mounted items cannot be securely attached to existing framing.

E. Anchor framing and blocking to existing construction using fasteners appropriate to wood, metal, concrete, masonry, or other substrates encountered.

3.3 BATHROOM RENOVATION COORDINATION

A. Provide blocking for all grab bars, including horizontal, vertical, folding, and shower/grab-bar assemblies, whether specifically shown at each fastener location or not.

B. Coordinate framing modifications required for accessible shower installation, plumbing rough-in, recessed or surface-mounted mirror cabinets, vanity attachment, and pocket-door assemblies.

C. Maintain existing ceiling construction unless modifications are specifically indicated or approved.

3.4 PROTECTION AND CLEANING

A. Protect completed rough carpentry from moisture and damage until concealed or covered.

B. Remove debris and combustible waste daily from occupied residential work areas. Leave spaces broom clean and ready for subsequent work.

END OF SECTION