

DIVISION 6**WOOD AND PLASTICS**

06 10 00

Rough Carpentry

06 20 00

Finish Carpentry

06 41 00

Custom Cabinetwork

**SECTION 06 10 00
ROUGH CARPENTRY**

PART 1 GENERAL

1.1 SCOPE OF WORK

- A. Work in this Section includes the erection of miscellaneous framework using lumber, plywood and other sheathing materials; and all blocking and supports necessary to join the members and anchor the framework to other construction.
- B. Work in this section also includes the providing of backing and blocking for any wall-supported equipment supplied by other trades or the Owner.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- | | | |
|----|----------------------|------------------|
| A. | Special Requirements | Section 01 61 16 |
| B. | Concrete Formwork | Section 03 10 00 |
| C. | Metal Fabrications | Section 05 50 00 |
| D. | Finish Carpentry | Section 06 20 00 |

1.3 QUALITY ASSURANCE

- A. Comply with the product standards specified herein and in Section 01 42 19.
- B. Comply with the current edition and supplement to national design specification for wood construction.
- C. Plywood: APA E30K, APA Design Construction guide—residential and commercial, 1989. Product Standard PS 1-83 for Construction and Industrial Plywood or Performance Standards and Policies for Structural-Use-Panels, June 1988.

PART 2 PRODUCTS

2.1 GRADE STAMPS

- A. Framing Lumber: Identify all framing lumber by the grade stamp of the West Coast Lumber Inspection Bureau.
- B. Plywood: Identify all plywood as to species, grade, and glue type by the stamp of the American Plywood Association.
- C. Pressure-Treated Lumber and Plywood: All materials used shall bear the Quality Control Marks with the following information:
 - 1. Symbol of Inspection Agency and Inspector Number.
 - 2. Symbol of Federal Housing Admin. Min. Property Standards.
 - 3. Preservative Symbol.
 - 4. Indicates lumber redried to 19% moisture content after treatment.
 - 5. Number of plant charge in which material was treated.
 - 6. Month and Year of Treatment.
 - 7. Name of Treating Company.
 - 8. Location of Treating Plant.
 - 9. Indicates Treatment only was specified.
- D. Other: Identify all other materials of this Section by the appropriate stamp of the agency listed in the reference standards, or by such other means as are approved by the Architect.

2.2 MATERIALS

- A. Lumber 2" and less in thickness shall have maximum moisture content of 19%, K.D. or equal, 15% for plates, sills and header framing.
- B. All lumber specified or shown to be pressure treated (PT) to be KDAT, in specie and grade shown on Structural Drawings.
- C. All materials, unless otherwise specifically approved in advance by the Architect, shall meet or exceed the following:

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ITEM:	DESCRIPTION:
1. Sills (on concrete)	Pressure treated, DFL or Hem Fir #2, 15% KDAT, AWPAC UC3.
2. Studs & Plates	DFL #2, KD.
3. Sawn Headers	DFL #2, KD.
4. Joists and Rafters	DFL #2, KD.
5. Posts, Built-up columns	DFL #2, KD.
6. Blocking, Bridging, Backing, etc.	DFL #2, KD.
7. Plywood	
a. Roof Sheathing	APA, PS 1, ICC-ES -108, Douglas-fir, C-D grade, exterior glue. See Structural Drawings for thickness and span rating.
b. Wall Sheathing	APA, PS 1, ICC-ES -108, Douglas-fir, C-D grade, exterior glue. See Structural Drawings for thickness and span rating.
c. Floor Sheathing	APA, PS 1, ICC-ES -108, Douglas-fir, C-D grade, exterior glue. See Structural Drawings for thickness and span rating.
8. Steel Hardware	See Section 05 50 00.
9. Bolts, Screws and Washers	See Section 05 50 00.
10. Nails	Common (except as noted), Fed. Spec. FF-N-11 (hot dipped galvanized or stainless steel (S/S) at all exterior locations or in contact with pressure treated (PT) lumber – Do not mix galvanized and S/S in contact with PT lumber).
11. Framing Connectors	Simpson with Z-MAX galvanized coating per ASTM A90, 1.85 oz. zinc, or stainless steel.
12. Pressure Treatment	
a. Non-visible	Pressure treatment to be waterborne type, as recommended and in strict conformance with the American Wood Preservers Association (AWPA) Standard U1 – Commodity Specification A or F, for intended Use Category Type (UC), location and wood specie.
13. Wood Preservative	Match pressure treatment solution. (For field cut ends of PT members)
14. Construction Adhesive	Low VOC per Section 01 61 16.
15. Sill Sealer	Polyethylene foam gasket.

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2.3 OTHER MATERIALS

- A. All other materials not specifically described but required for a complete and proper installation as indicated on the Drawings, shall be new, suitable for intended use, and subject to the review of the Architect.

PART 3 EXECUTION

3.1 GENERAL

- A. Frame as required for the installation and support of plumbing and pipes, ducts and conduit.
- B. Provide PT lumber and plywood at all locations in direct contact with earth, concrete or masonry or as otherwise shown on Drawings.
- C. Accurately lay out, cut, fit and erect all framing true to lines and dimensions. Erect framing plumb and level, unless otherwise shown. Do not use shims for leveling on wood or metal bearings. Adequately anchor all framing as shown or specified.
- D. Brace all structures adequately during erection period, as well as final in-place condition. Cut framing square on bearings, closely fitted, accurately set to required lines, level, plumb and secured rigidly in place at bearings and connections.
- E. Temporary shoring and bracing is the sole responsibility of the Contractor.
- F. Notch all rafters and roof blocking as indicated on Drawings to provide a continuous ventilation path at all insulated roofs. At roofs with rigid insulation placed to the outside of the roof sheathing, roof venting will not be required.

3.2 PERFORMANCE

- A. Protection During Construction:
 - 1. Protect adjacent surfaces, equipment, and facilities to remain, from damage during construction.

3.3 LAYOUT

- A. Coordinate all layout of all ceiling, wall and roof framing to provide for indicated placement of suspended ceilings, electrical and mechanical work.

3.4 CUTTING AND NOTCHING

- A. Carpenters to do all cutting of structural members for other trades.
- B. Cutting and notching of joists not allowed unless shown on drawings. 1" diameter hole may be drilled in the center 1/3 of the member depth. All other holes to be approved.
- C. Studs may be notched in the lower 1/5 of the height of stud for electric and plumbing pipes but no part of notch is to be deeper than 25% of width of stud. Holes of diameters up to 1/3 width of stud may be drilled in studs but not in center 1/3 of their height.

3.5 INSTALLATION

- A. Beams, joists and rafters set "crown" up.
- B. Treated lumber, cut after treatment, and the ends of all posts in concealed locations and in contact with concrete, masonry or earth, to receive two (2) coats of a concentrated solution of treating preservatives used, saturating all cut surfaces and bolt holes.
- C. Lumber of nominal size, unless indicated "NET", shown on Drawings or as specified.
- D. Where a size is not shown on Drawings, or additional support is deemed necessary, request size from Architect.
- E. Stud Wall Framing (**Standard**):

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1. Bottom plate: Pressure treated 2x or 3x as shown on Drawings. Anchor to concrete with 5/8" ϕ x 12" anchor bolts at 48" o.c. and 6" from end of piece unless otherwise noted on structural drawings. For non-bearing partitions on slab, power driven ramset 7/32" ϕ x 3" drive pins at 24" on center. Anchor to wood with 16d nail at 12" o.c., unless otherwise noted on structural drawings. See Structural Drawings for more stringent shear wall anchorage.
2. Spacing:
 - a. Exterior and interior bearing and/or shear walls: 16" on center unless shown otherwise. 2 studs minimum (unless noted otherwise on the Drawings) at the end of each wall and at each side of all openings.
 - b. Interior, non-bearing partitions: 24" on center except, walls receiving ceramic tile finishes to be 16" on center. 2 studs minimum (unless noted otherwise on the Drawings) at the end of each wall and at each side of all openings.
3. Top plates shall be double except walls under beams may be single. Lap at all intersections and splices. Provide steel straps where plates are cut for ducts or pipes.
4. Headers shall be 6x8 at exterior walls and 4x8 at interior walls, unless noted otherwise on the Drawings.
5. Provide (2) studs minimum under beam and header ends unless otherwise shown.
6. Provide fire blocking of 2 inch nominal thick wood:
 - a. In exterior and interior walls or partitions at ceiling, roof and floor levels but not over 10 feet on center maximum.
 - b. In all stud walls and partitions, including furred spaces with maximum distance not over 10 feet.
 - c. Between stair stringers at top and bottom and between studs along and in line with run of stair adjoining stud wall and partitions.
 - d. At levels of furred ceilings and floors.
7. Provide nailing blocks and strips as required by all trades. All backing for fixtures, equipment, specialties and Owner supplied items is to be provided under this Division. If applicable, see Food Service (FS) and/or Kitchen (K) drawings for special blocking.
8. Miscellaneous blocking required for use of electrical and mechanical trades shall be by those trades unless otherwise stipulated or arranged for.
9. Set all exterior wall plates and party wall plates on sill sealer gasket.
- F. Curbs or Cants: Furnish wood curbs required for mechanical equipment and wood cants at all junctures of vertical and horizontal roof surfaces and as shown or noted on Architectural Drawings.
- G. Sheathing:
 1. All plywood panels shall be placed over two or more spans with face grain perpendicular to supports, all joints staggered.
 2. No surface or edge shall be exposed to the weather. Piecing will not be permitted. Minimum width 2'-0".
 3. Where called for on Drawings as "Blocked" provide nominal 2" solid blocking at all panel edges.
 4. Set all floor sheathing in a continuous bead of construction adhesive placed at centerline of joist.
- H. Fastening:
 1. Nailing: Provide all builders hardware required; all nails for framing of American made, common type and penny weight specified or required. Use galvanized or aluminum nails for exterior nailing. Minimum nailing requirements for standard connections unless specifically shown or otherwise noted.

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<u>Framing Item</u>	<u>No. or o/c of Fasteners</u>	<u>Size of Fasteners</u>
Dimensional Lumber	See IBC 2304.9.1.	
Gypsum Sheathing	As required by fire assembly.	
Plywood Sheathing	See Structural Drawings	
2. Framing Connectors:		
a.	Provide framing connectors where required or indicated; secure with fastenings recommended by manufacturer to develop full total load reactions.	
3. Bolted connections:		
a.	At wood bolted connections where bolts bear on wood, use malleable iron washers under bolt head and nut, and where wood bears on concrete or steel cut steel washers unless otherwise noted on Structural Drawings. All washer dimensions per Western Wood Use Book recommendations.	
b.	Bolt holes shall not exceed 1/16" larger than bolt diameter.	
c.	All nuts, bolts and washer exposed on exterior to be galvanized. Retighten all exposed bolts at completion of job.	
d.	Install lag screws where required. Bore for threads as follows: 1/8" less for 1/4" to 1/2" diameter, 3/16" less for 5/8" diameter, 1/4" less for over 5/8" diameter. Counterbore for shank at nominal diameter. Seat by turning, soap threads before setting and install with wrench only.	
e.	All bolts and/or fasteners used in contact with pressure treated lumber shall be hot dipped galvanized or stainless steel as specified above. DO NOT MIX GALVANIZED AND STAINLESS STEEL.	
4. Miscellaneous Connectors:		
a.	Install all miscellaneous metal items called for to be furnished under Division 5 related to carpentry. See Shop Drawings for locations and installation details.	

3.6 AIR SEALING MEASURES

- A. Install air-sealing measures as required to create an air barrier system. The following items are general guidance to achieving an air barrier system.
 - 1. Prior to framing bottom wall plates, install sill sealer gasket at all exterior wall and party/common wall locations.
 - 2. Following framing, the following areas shall be air sealed:
 - a. Air-seal with spray foam all wall penetrations of exterior sheathing. This may include electrical boxes, pipes, ducts, etc.
 - b. Air-seal with spray foam around all exterior wall and party/common wall top plates and rim joists.
 - c. All double stud walls shall be blocked and air-sealed at each floor level.
 - d. Air-seal with spray foam at all party/common wall to roof sheathing joint.
 - 3. See Drawings for additional air-sealing measures.

END OF SECTION

**SECTION 06 20 00
FINISH CARPENTRY**

PART 1 GENERAL

1.1 DESCRIPTION

- A. Work in this Section includes installation of wood doors, paneling, window and door trim; manufacture and installation of wood shelves, and miscellaneous finish items, if not specified elsewhere.

1.2 RELATED WORK SPECIFIED ELSEWHERE:

- | | | |
|----|--------------------|------------------|
| A. | Submittals | Section 01 33 00 |
| B. | Rough Carpentry | Section 06 10 00 |
| C. | Custom Cabinetwork | Section 06 41 00 |
| D. | Wood Doors | Section 08 20 00 |
| E. | Finish Hardware | Section 08 71 00 |
| F. | Painting | Section 09 90 00 |

1.3 STANDARDS

- A. Soft Woods: Standard Grading and Dressing Rules of the Western Wood Products Association, and/or the West Coast Lumber Inspection Bureau, and/or California Redwood Association (CRA) and the Redwood Inspection Services (RIS).
- B. Hardwoods: Latest rules of the National Hardwood Lumber Association.
- C. Softwood Plywood: Latest edition of U.S. Product Standard PS-1 with each sheet bearing the appropriate grade-trademark of the American Plywood Association.
- D. Hardwood Plywood: Latest standard of Hardwood Plywood Manufacturers Association. All plywood to be selected for uniformity of color, grain and pattern.
- E. Specified qualities of workmanship on mill items furnished to be as specified in the Architectural Woodwork Institute (AWI), Architectural Woodwork Standards and Guide Specifications and/or as specified herein. All materials shall conform to grading and dressing rules listed.
- F. Flame Spread: Interior wall and ceiling finishes shall meet the following flame spread classifications per IBC Table 803.9:
1. **E Occupancy / Sprinklered:** Class C (76-200) for rooms or areas; Class C (76-200) for exit access corridors and other exit ways (lobbies) and; Class B (26-75) for vertical exits and exit passageways.
- G. Comply with the standards specified herein and listed in Section 01 42 19.

1.4 SUBMITTALS

- A. General: Comply with provisions of Section 01 33 00.

PART 2 PRODUCTS

2.1 MATERIALS (Interior)

- A. All materials, unless otherwise specifically approved in advance by the Architect, shall meet or exceed the following:

- | Item: | Description: |
|------------------------------------|---|
| 1. Opaque Finished Lumber: | A and Better, KD, Hemlock, Poplar or other sound grain hardwood, finger jointed allowed, S4S, pre-primed. Shaped per Drawings. Finished per Section 09 90 00. |
| 2. Transparent Finish Lumber: | AWI Grade C, KD, solid stock, species to match existing, S4S. Shaped per Drawings. |

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|----|-----------|---|
| 3. | Blocking | Finished per Section 09 90 00. |
| 4. | Adhesives | Provide as required for shelving or equipment.
Low VOC per Section 01 61 16. |

2.2 MOISTURE CONTENT

- A. Lumber
All finish lumber to be kiln dried as closely as practicable to the following schedule:
- | | <u>1 inch or less</u> | <u>1-1/2 - 2 inches</u> |
|----------------------|-----------------------|-------------------------|
| 90% shall not exceed | 12% M.C. | 15% M.C. |
| 10% shall not exceed | 15% M.C. | 18% M.C. |
| Average | 12-1/2% M.C. | 15-1/2% M.C. |
- Resinous woods to be steam-treated to extract all pitch.

PART 3 EXECUTION

3.1 INSTALLATION OF WOOD

- A. All joints to be neatly made, set all wood finish straight, plumb level in true alignment, tightly fitted and rigidly fastened in one place. Finished work must be guaranteed to stand one year after completion without warping, opening of joints or other defects.
- B. Plow out back of all flat trim. Splice no running trim under 12 feet in length and make joints only where solid blocking or backing occurs. Fit all joints flush on face by dressing off back. No face planing, excessive sanding or cross grain sanding will be permitted. Make all trim and fascia joints with 45 degree scarf. Miter all corners unless shown otherwise on Drawings.
- C. Nailing of trims, paneling, caps etc.: Blind nail or fasten whenever possible. If face nailing is required, use only finish nails. Countersink and putty.
- D. Leave work clean, free from warp, twist and disfigurement. Sand smooth all interior finish material with minimum 120 grit abrasive and leave in perfect condition for painter.
- E. Install all building specialties, hardware and equipment as specified in their respective Divisions except where installation is required of supplier or other Subcontractor.
- F. Sand exposed interior wood surfaces for final finish per Section 09 90 00, Painting.
- G. All finish nail heads will be counter sunk. Interior nail heads will be filled and sanded.

3.2 INSTALLATION OF DOORS & HARDWARE

- A. See Division 8.

END OF SECTION

**SECTION 06 41 00
CUSTOM CABINETWORK**

1. Concealed lumber: Comply with Section 3 of AWI Quality Standards.
 2. Plastic Laminate Finished panels:
 - a. Standard Particleboard: Mat-formed, formaldehyde free, wood particleboard, ANSI A208.1, Type 1-M-2, 45 pound density, 8 percent or less moisture content. HPL panel edges.
 - b. Prefinished Hardboard (cabinet backs & drawer bottoms): ANSI/AHA A135.4, Class 1 tempered, formaldehyde free, melamine finish.
 3. Drawers: 3/4" particle board drawer box, melamine finished. Edges are 0.020 inch thick PVC, machine applied with hot-melt adhesive.
 4. Shelves: 3/4", formaldehyde free, composition board with melamine laminate. Edges are 0.020 inch thick PVC, machine applied with hot-melt adhesive. Adjustable in all cabinets. Full depth in base cabinets.
 5. Door and drawer faces: 3/4" Mat-formed, formaldehyde free, wood particleboard, ANSI A208.1, Type 1-M-2, 45 pound density, 8 percent or less moisture content. Edges are matching HPL finish.
 6. Sink Counter top and moisture sensitive panels: APA, Exterior grade plywood or phenolresin particleboard, ANSI A208.1, Type 2-M-2, 45 pound, medium density, 8% moisture or less.
- C. High Pressure Plastic Laminates (HPL)
1. Vertical Surfaces: Decorative laminate nominal (1/32") thickness vertical surface type, NEMA LD-3.
 2. Horizontal Surfaces: Decorative laminate nominal 1/16" thickness. General purpose type, NEMA LD-3. (countertops, shelves and splashes)
 3. Curved Surfaces: Post forming grade NEMA PF-42.
 4. Backing Sheets: Multi-purpose backer, nominal (1/32") thickness.
 5. Surface Finish: To be "Textured (6)" non-directional textured surface with a moderate reflective quality unless otherwise noted.
 6. Manufacturer/Color: See Drawings.
- D. Low Pressure Plastic Laminates (Melamine)
1. Industry Standard: ALA 1985
 2. Acceptable Material: Polyester or melamine laminate
 3. Surface Finish: Smooth
 4. Color: White
- E. Hardware
1. Drawer glides: Full extension, ball bearing nylon rollers, self-closing.
 - a. 6" deep or less: 75 lb. rating.
 - b. Greater than 6" deep: 110 lb. rating.
 - c. At lateral files: 175 lb. rating.
 2. Door hinges: Concealed, European self-closing, 110 degree opening, Grass America Inc.; Blum.
 3. Silencers: 3/8" diam. urethane button pad (2 each door).
 4. Pulls: Wire pulls. ADA compliant, 1/2"x1-7/8"x4", EPCO MC427
 5. Shelf Standards & Supports: Knappe & Vogt 330 shelf pins.
 6. Locks: Corbin Camlock, 15700 series or approved equal. Provide locks at locations shown on Drawings.
 7. Grommets: Doug Mockett, BG Flip-Top Series, 1-1/2"

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- 8. Finish: dia., matte black.
- 9. All other hardware not specified shall be the Cabinetwork manufacturer's option as to type and manufacturer, subject to Owner's review.
- F. Countertop Support Brackets:
 - 1. A&M Hardware, Inc., concealed bracket with support arm, 9", 12", 18", 24", or 30", black. Provide at 4'-0" o.c. maximum.
- G. Adhesives: Type I Waterproof; Low VOC per Section 01 61 16.

2.3 REFINISH CABINET MATERIALS (Plastic Laminate Finished)

- A. General:
 - 1. Workmanship shall comply with AWI Quality Standards and Specifications for Casework-"**Custom Grade**," factory finished cabinets.
 - 2. Cabinet Style: Existing to remain and be refinished.
 - 3. Door Style: Existing to remain and be refinished.
 - 4. Finish:
 - a. Exposed surfaces: High pressure laminate.
 - b. Semi-Exposed: Existing to remain.
- B. High Pressure Plastic Laminates (HPL)
 - 1. Vertical Surfaces: Decorative laminate nominal (1/32") thickness vertical surface type, NEMA LD-3.
 - 2. Horizontal Surfaces: Decorative laminate nominal 1/16" thickness. General purpose type, NEMA LD-3. (countertops, shelves and splashes)
 - 3. Curved Surfaces: Post forming grade NEMA PF-42.
 - 4. Backing Sheets: Multi-purpose backer, nominal (1/32") thickness.
 - 5. Surface Finish: To be "Textured (6)" non-directional textured surface with a moderate reflective quality unless otherwise noted.
 - 6. Manufacturer/Color: See Drawings.
- C. Hardware
 - 1. Drawer glides: Existing to remain. Replace as required.
 - 2. Door hinges: Existing to remain. Replace as required.
 - 3. Silencers: 3/8" diam. urethane button pad (2 each door).
 - 4. Pulls: Wire pulls. ADA compliant, 1/2"x1-7/8"x4", EPCO MC427
 - 5. Shelf Standards & Supports: Existing to remain. Replace as required.
 - 6. Locks: Corbin Camlock, 15700 series or approved equal. Provide locks at locations shown on Drawings.
 - 7. Grommets: Doug Mockett, BG Flip-Top Series, 1-1/2" dia., matte black.
 - 8. Finish: Satin Stainless Steel, U.N.O.
 - 9. All other hardware not specified shall be the Cabinetwork manufacturer's option as to type and manufacturer, subject to Owner's review.
- D. Adhesives: Type I Waterproof; Low VOC per Section 01 61 16.

2.4 COUNTERTOPS & BACKSPLASHES

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- A. High Pressure Laminate:
1. Vertical Surfaces Decorative laminate nominal (1/32") thickness vertical surface type, NEMA LD-3.
 2. Horizontal Surfaces: Decorative laminate nominal 1/16" thickness. General purpose type, NEMA LD-3. (countertops, shelves and splashes)
 3. Curved Surfaces: Post forming grade NEMA PF-42.
 4. Backing Sheets: Multi-purpose backer, nominal(1/32") thickness.
 5. Surface Finish: To be "Textured (6)" non-directional textured surface with a moderate reflective quality unless otherwise noted.

PART 3 EXECUTION

3.1 FABRICATION

- A. Fabricate the work of this Section in strict accordance with the original design, the reviewed Shop Drawings, and the referenced AWI grade standards.
- B. When provisions of the AWI grade specified are in conflict with or are modified by the Drawings and further specifications, the modifications govern.
- C. Accurately fit and install all finish hardware. After fitting, remove all hardware until paint or varnish work is complete, then reinstall. Leave all hardware clean securely fastened and in working order. Cabinet doors to be mill fitted and hung.
- D. Assemble cabinetwork at the shop insofar as practical. Where it is necessary to cut and fit on the job, make ample allowance for cutting.
- E. Moisture content: Casework in storage and in place to have moisture content of between six and eleven percent, inclusive.
- F. Hardware:
1. See Drawings for cabinet lock locations.
 2. Provide wire grommets at all desktop/workstation locations. Coordinate quantity and location with Architect.

3.2 FINISHING

- A. Plastic laminate finished cabinets:
1. Install laminates in strict conformance with laminate manufacturers printed instructions.
 2. Adhesives: Use only adhesives and methods as recommended by laminate manufacturer. Adhesive to be waterproof type.
 3. All joints to be neat, tight and all exposed edges to be routed & filed smooth.
- B. Substitutions of finish type shall be submitted in writing to the Architect for approval prior to fabrication and finishing of cabinetwork under this Section.

3.3 REFINISHING OF EXISTING CABINETS

- A. All existing cabinetry scheduled to remain shall remain in place or shall be salvaged for reuse.
- B. Disassemble all cabinet doors and hardware.
- C. Cabinet boxes, doors, drawer faces, fillers, trim, false panels, etc. shall be refaced with new plastic laminate finish at all exposed surfaces. Prepare substrates per laminate manufacturer's instructions.
- D. Replace all exposed hardware with new. Inspect all concealed hardware for proper

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- function and replace as required.
- E. Reassemble all cabinets and make adjustments as required for proper fit and function.
- F. Clean all surfaces.

3.4 INSTALLATION

A. Inspection

1. Examine the areas and conditions under which work of this Section will be installed. Correct conditions detrimental to timely & proper completion of the work. Do not proceed until unsatisfactory conditions have been corrected.
2. Verify dimension of all cabinetwork locations before fabrication.

B. Installation

1. Install all components in strict accordance with the original design and the approved Shop Drawings, anchoring all items firmly into position for long life under hard use.
2. Fabricate counter tops for scribe fit to walls.
3. Fabricate all "Inset Door" type cabinetry with extended stiles for scribe fit to walls.
4. Install plumb, level and true. Shim and anchor securely.
5. Doors and drawers to operate smoothly and freely, without binding or rattling. Proper reveal gaps to be maintained.
6. Install with concealed fasteners wherever possible. Where exposed, use countersunk Phillips head screws to match adjacent hardware. Cap with matching screw caps.

3.5 CLEANING AND ADJUSTMENT

- A. Upon completion of the installation, visually inspect each installed item, thoroughly clean all surfaces by using the cleaning material recommended by the manufacturer and carefully adjust all operating components for optimum operation.

END OF SECTION