Part 1 GENERAL

1.1 GENERAL REQUIREMENTS

1. Conform to Sections of Division 1 as applicable.

1.2 RELATED WORK

1. Building in and anchoring of steel frames in masonry partitions: Section 04 03 05 01, Masonry Procedures and Section 04 04 15 Masonry Anchorage and Reinforcement.

2. Handrail Supports and Metal brackets to millwork shelving: Section 05 99 00, Miscellaneous Metals.

3. Supply of hollow metal doors and frames: Section 08 11 00, Steel Doors and Frames.

4. Supply of wood doors: Section 08 14 00, Wood Doors.

5. Supply of door finish hardware: By Cash Allowance.

6. Glass and Glazing: Section 08 81 00.

7. Building in and anchoring of steel frames in gypsum board partitions: Section 09 29 00, Gypsum Board Systems.

8. Wood Flooring: Section 09 64 29, Wood Strip Flooring.

9. Filling nail holes: Section 09 91 00, Painting and Finishing.

10. Supply of metal louvres for doors: Section 20-23, Mechanical.

1.3 REFERENCES

CAN/CGSB-11.3-M87	-	Hardboard
CAN/CGSB-37.4-M89	-	Fibrated, Cutback Asphalt, Lap Cement for Asphalt Roofing
CAN3-A172-M79	-	High Pressure Paper Base, Decorative Laminates
CAN/CSA-G164-M92	-	Hot Dip Galvanizing of Irregularly Shaped Articles
CAN/CSA-O80 Series-M89	-	Wood Preservation
CAN/CSA-O86.1-M89	-	Engineering Design in Wood (Limit States Design)
CSA O86.1.1-M91	-	Commentary on CSA Standard CAN/CSA O86.1-M89, Engineering Design in Wood (Limit States Design)
CSA O112 Series-M77	-	CSA Standards for Wood Adhesives
CSA O115-M82	-	Hardwood and Decorative Plywood
CSA O121-M78	-	Douglas Fir Plywood
CAN3-O188.1-M78	-	Interior Mat-Formed Wood Particleboard
NEMA	-	LQI, Decorative Board
NFPA 80	-	Fire Doors and Windows 1990 Edition
NHLA	-	National Hardwood Lumber Association, 1982
NLGA	-	National Lumber Grades Authority, Standard Grading Rules for Canadian Lumber, 1987

ULC - Underwriters' Laboratories of Canada

1.4 SUBMITTALS

1. Shop Drawings: Submit shop drawings in accordance with the General Conditions of the Contract. Clearly indicate material being supplied and show all connections, attachments, reinforcing, anchorage and location of exposed fastenings.

2. Samples: Before proceeding with work, submit 3-300 mm x 300 mm (12"x12") samples of fabrics, marble, wood, and plastic veneers for review as specified in Section 01330, Submittals. Show colours and details of edging, forming and construction.

1.5 QUALITY ASSURANCE

1. Millwork Pre-construction Meeting:
At least one month prior to the commencement of millwork and finishing work, a preconstruction meeting shall be held on site to discuss the project specifications, site conditions, and other factors which may affect the outcome of the floor, wall ceiling, marble and zinc cladding, and millwork finishing work. The meeting shall include attendance by the Consultant, General Contractor, Carpentry and Millwork Contractor. Marble type and individual slabs are to be selected through a site visit at the Olympia Tile Slab Division Showroom; this visit can be combined with the Millwork Pre-construction Meeting.

1.6 DELIVERY, STORAGE AND HANDLING

1. Provide protective coverings of suitable material for plastic laminate items, take special precautions at corners.

2. If required, store millwork items in temperature and humidity-controlled area until delivery.

3. Do not permit delivery of millwork to Site until area is sufficiently dry so that woodwork will not be damaged by excessive changes in moisture control.

1.7 WARRANTY

1. Warrant work of this Section against defects and deficiencies in accordance with General Conditions of the Contract. Promptly make good defects and deficiencies which become apparent within warranty period to satisfaction of the Consultant and at no expense to Owner. Defects and deficiencies include but are not limited to delamination of plastic laminate work and warpage of millwork.

Part 2 PRODUCTS

2.1 MATERIALS

1. General: Clean stock only, comply with AWMAC Quality Standards grades as indicated.

2. Fitment Framing: Pine, 117c. "C Select".

3. Nailing Strips and Strapping: Spruce, 122c. "Standard" light framing.

4. Particleboard: CAN3-O188.1-M, Grade R.

5. Display Cabinet Glass Shelf Supports: Hafele, Cat. No. 283.37.430, adjustable shelf support complete with support, rosette, 2 rubber O-rings and 1 M8 T-Nut per shelf support required.

6. Adhesive

    1. Glue for Wood Furniture and Assemblies: CSA O112.4-M, polyvinyl adhesive.

    2. Glue for High Humidity Areas: CSA O112.5-M, Type II, moisture resistant urea formaldehyde resin adhesive.

    3. Glue for Locations Exposed to Weather: CSA O112.7-M, Type I, waterproof phenol, resorcinol and phenol-resorcinol resin adhesive.

7. High Pressure, Paper Base, Decorative Laminates, solid surfacing: CAN3-A172-M.

    1. Countertops Having Rolled Edge: PF-S, 1.25 mm (0.050") thick.

    2. Countertops Having Square Edge, Bottom Interior Face of Cabinets: GP-S, 1.25 mm (0.050") thick.

    3. Vertical Surfaces of Doors and Drawers, Shelves: GP-S, 1.00 mm (0.040") thick.

    4. Other Plastic Laminate Exposed Surfaces: GP-S, 1.00 mm (0.040") thick.

    5. Colours, patterns and gloss finish as follows:

        1. MW01 – Cafe Countertops – 'Meteorite OCC20' solid surface, by Corterra, Morris Group International

        2. MW02– Public Washroom Countertops – 'Moonstone Metallic OCC21' solid surface, by Corterra, Morris Group International

        3. MW03 – Staff Washroom Vanities – Plastic Laminate 'Wrought Iron', S6054T, Textured by Nevamar

    6. Backing Sheet: All panels shall be balanced with minimum 0.5 mm (0.020") backing sheet manufactured by same manufacturer as facing sheet.

    7. Core: Plywood to CSA O121-M Grade "B" or Particleboard to CAN3-O188.1-M, Grade R.

    8. Hardboard: CAN/CGSB-11.3-M, Type 1.

9. Rough Hardware: Nails, screws, bolts, lag screws, anchors, special fastening devices and supports required for erection of carpentry components. Use galvanized components if exposed to exterior atmosphere. Galvanize in accordance with requirements of CAN/CSA-G164-M.

10. Laminate Flashing: 6.10 g/m^2 (2 oz/sq ft) pure copper laminated to reinforced paper, "Copper Wafers" by Gummed Papers Ltd

11. Lap Cement: CAN/CGSB-37.4-M.

12. Wire Netting: 25 mm x 25 mm (1 in^2) galvanized mesh chicken wire.

8. Plywoods: Select White Birch or American Walnut architectural Grade 'A' No. 1 Face grade (varnish grade) as in compliance with C.S.A. 0115-M1982 with a minimum 5 ply plywood veneer waterproof core, laminated with waterproof adhesive. Plywood shall be good both sides except where concealed by construction. Exposed faces to be natural grade per AWMAC. Interior of doors to be classified as exposed.

9. Hardwood Lumber: Of grades conforming to grading rules of U.S. National Hardwood Lumber Association; Birch, American Walnut, White Oak, Select or better. It shall be selected for colours and graining when used for stain work.

    1. Wood 1 (WD-1): Clear American Walnut, with clear finish for use at interior wood glazing frames and sidelights.

    2. Wood 2 (WD-2): Clear Birch, with clear finish for use at interior accent wood frames, and interior wood doors.

10. Wood Edging: 1/2" (12 mm) hardwood to match plywood unless indicated otherwise.

11. Plywood Concealed by Construction: Douglas Fir plywood shall be veneer core, waterproof, bonded, sanded, complying with C.S.A. 0121-M1978. Solid grade where concealed by construction.

12. Concealed Framing Lumber: N.L.G.A.C. select eastern white pine, kiln dried to a 5% moisture content.

13. Unexposed Plywood for Framing: Waterproof fir plywood minimum 1/2" (12.7 mm) thickness unless indicated otherwise.

14. Adhesive:
    1. Waterproof synthetic resinous glue of approved general type conforming to C.S.A. 0112.
    2. For plastic laminate - as recommended by plastic laminate manufacturer and to conform to C.S.A. 0120-M1978.
    3. Approved waterproof type.

15. Shelves: adjustable shelves longer than 950 mm and fixed shelves without centre supports longer than 950 mm to be 28.6 mm thick wood veneer plywood detailed.

Shelves shorter than lengths specified above are to be 19 mm thick wood veneer plywood core. Front and rear edges of adjustable shelves to have solid wood edges. Front edges of fixed shelves to have solid wood edges, rear edge to be secured to cabinet back panel.

16. Miscellaneous Metals: Miscellaneous angles, tubes, brackets, supports, etc. as noted/ detailed on drawings or as required for complete and proper installation. provided by Section 05 50 00.

17. Glazing: Doors and shelves 6mm tempered clear glazing, complete with recessed finger slots for sliding doors. Provide 6mm clear tempered glass at display cases and where glass is indicated in cupboards. Glass to conform to Glass and Glazing Section 08 80 50.

18. Aluminum Angles: 50 mm x 50 mm x 3 mm aluminum angles for vertical corners at storage units where indicated on drawings.

19. Exposed Fasteners: All millwork units secured to walls shall be secured with stainless steel screws and cup washers. All specialty fasteners such as acorn head bolts shall be supplied and installed by this section. Submit samples for Architect's approval. All exposed fasteners to be stainless steel.

20. Aluminum Linear Bar Grilles: Price model series LBP25C, complete with 25mm, 1000 series frame profile, finish 66 Brushed Aluminum with clear coat, mitred corners and factory splice plates as required Brush finished aluminum size as indicated on drawings.

21. Toe Kicks: All toe kicks to be 3/4" (19mm) veneer core waterproof fir or plywood.

22. Cupboard/Wardrobe Doors (35 mm): full height doors for cupboards / closets / wardrobes plus half height cabinet doors wider than 550 mm per leaf to be fabricated of 35 mm thick solid core with Architectural grade veneer finish as noted in specifications. Doors to have solid wood at all four edges. Closet jambs to be min. 38mm to accept standard butts.

23. Zinc Sheet (ZS): Quartz Zinc, Pre-weathered Grey, laminated to 19mm plywood, to be used at vertical face of millwork bars in Music Room Event Space 105 and in Flex Event Space / Bar Feature 003.

24. Marble 1: Slab Marble located at Basement Bar millwork M11, and at inset band in floor at Flex Event Space / Bar Feature 003: Bid is to be based on Polished Scandulus marble slab (20 mm thickness) special order by Olympia Tile Slab Division.

25. Marble 2: Slab Marble located at built-in tables associated with the Banquette Seating M13 and M14 in Flex Event Space / Bar Feature 003: Bid is to be based on Polished St. Laurent marble slab (20 mm thickness) special order by Olympia Tile Slab Division.

26. Faux Leather Banquette Seating located at millwork M13 and M14: Distressed faux leather fabric 0.9mm (faux “nappa leather”). Nat Leathers brown, chestnut, or blonde distressed faux leather.

27. Faux Tooled/Textured Leather located at Basement Bar millwork M11: Faux leather tooled/textured fabric 0.9mm. Durolast polyurethane vintage western floral upholstery, or similar.

28. Chrome Stemware Holders: Crestware 10in hanging glass rack chrome.

2.2 MILLWORK HARDWARE

1. The cabinet work manufacturer shall furnish and install cabinet hardware. Finish of hardware shall be used US26D or US28 depending on base material. Hardware shall be manufactured as follows or approved equal.

2. Hinges: Cupboard doors 3/4" (19mm)-Hettich - Selekta Pro 2000 - 270E Degrees opening.

3. Concealed Hinges: Hettich Sensys 110° hinge with integrated Silent System for screwing on; or approved equal.

4. Flap Hinge: Hettich - Markant 11 or approved equal.

5. Cabinet locks:
   1. Cupboard doors: 3/4" (19mm)-Hafele Lock two way latch.
   2. Cupboard drawers: 3/4" (19mm)-Hafele Lock.
   3. All cupboard doors in a room to be keyed the same. Each room to be keyed different. Provide 6 master keys for cupboard locks.
   4. Pulls (door/drawers): Gallery Specialty Hardware, GSH 302A Wire Pull, 100mm C to C, 8mm O.D. brushed stainless steel.

6. Drawer Slides: Hettich full extension ball bearing slide KA 5632

7. Display Case Shelf Brackets and Standards:
   1. Brackets: Knape & Vogt 187 Series length as shown on drawings to suit glass shelf width.
   2. Standards: Knape & Vogt Series 87.

8. Display Case Hardware: Hafele Labora Sliding Glass Door Fitting, c/w Cylinder Lock.

9. Sliding Glass Cabinet Door:
   1. CRL Polished Aluminum Finish Rollertrack Bottom Track 21 mm Wide, 18 mm High. Finish/Color: Aluminum. Item #: 16785. Designed for 1/4" (6 mm) Tempered Glass. Smooth Operating Nylon Rollers Built Into the Lower Track. 'Lift and Drop' Glass Installation.
   2. CRL Polished Aluminum Finish Rollertrack Top Track, 21 mm Wide, 18 mm High. Finish/Color : Aluminum. Item #: 16795. Designed for 1/4" (6 mm) Tempered Glass. 'Lift and Drop' Glass Installation
   3. CRL Polished Chrome Keyed Alike Lock for Cabinet Glass Door. Finish/Color : Polished Chrome. Item #: LK50KA

10. Computer Grommets: Standard recessed 3" (75mm) diameter. Colour as selected by Architect.

11. Drawer Pull Handles: Hafele Catalogue No. 155.00.983, 12 mm diameter, 192 mm long Aluminum handle, flush configuration.

12. Cabinet Door Pull Handles: Hafele Catalogue No. 155.00.988, 12 mm diameter, 352 mm long Aluminum handle, flush configuration.

13. Latch: Elbow catch, Amerock No. 3675 or equal.

14. Slide Bolts: Gallery 73 - 3" (75 mm).

15. Shelf Standards: Knape & Vogt #255.

16. Shelf Clips: Knape & Vogt #256 - for pre-drilled 32mm spaced holes in all gables.

17. Shelf Brackets (fixed shelves): 8 x 10 Knape & Vogt or Stanley.

18. Silencer bumpers: mechanically fastened rubber or neoprene bumper (at all cupboard door and drawer fronts).

19. Coat Rods: Heavy duty stainless steel.

20. Coat hooks: Gallery Specialty Hardware series GSH 359.

2.3 FABRICATION

1. General Workmanship

    1. Fabricate work in accordance with best practice by skilled craftsmen of companies specializing in work specified and to requirements of other trades. Each item shall be as indicated on Drawings and as detailed on shop drawings.

    2. Use running members in greatest lengths obtainable.

    3. Machine dressed work shall be slow fed using sharp cutter and finished members shall be free from drag, feathers, slivers or roughness of any kind. Remove machine marks by sanding.

    4. In finished work machine sand exposed surfaces in shop and hand sand on job to even smooth surfaces, free from scratches, ready for finishing.

    5. Frame materials with tight joints rigidly held in place. Use glue blocks where necessary.

    6. Assemble work in shop and deliver to Work ready for installation, as far as practicable. Leave ample allowance for fitting and scribing on job.

    7. Take care to prevent opening up of glue lines in finished work.

8. Design construction methods for expansion and contraction of material.

9. Conceal joints and connections wherever possible. Locate prominent joints where directed by The Consultant. Intermediate joints between supports not permitted.

10. Mortise and tenon joints shall be glued and pinned.

11. Joints made on Site shall be equal in quality and workmanship to joints made in shop.

12. Exposed edges of plywood and particleboard shall have veneer bands, 0.9 mm (1/28") minimum thickness, of same species as face veneer. Glue veneer edging using hot press high frequency gluing process. Do not use nails.

13. Glue, blind screw or nail all work unless otherwise specified. Set surface nails and plug surface screws with wood plugs of material to match surface. Conceal nailing of tongued and grooved work.

14. Accurately scribe, cope and mitre members where required.

15. Finished woodwork shall be free from bruises, blemishes, mineral marks, knots, shakes and other defects and shall be selected for colour, grain and texture.

16. Be responsible for methods of fabrication and for ensuring that materials are rigidly and securely attached and will not be loosened by installation of items on Site or by work of other trades.

17. Take field dimensions and fabricate work to suit field dimensions.

18. Do not permit delivery of this work to Site until area is sufficiently dry so that woodwork will not be damaged by excessive changes in moisture content.

19. Check access clearance at Site before assembling large units or components in factory for shipment to work.

20. Provide all blocking coming in direct contact with millwork in accordance with applicable provision set forth herein.

21. Counter tops shall be of plastic laminate as shown. Form splashbacks as indicated. Counter top to be Formica Blackened Bronze, matte finish.

22. Glues shall be waterproof and of type suitable for work to be joined.

23. Moisture content of interior woodwork shall be not less than 4% nor more than 8%.

24. Refer to glue manufacturer's recommendations for lumber moisture content, glue shelf life, pot life, working life, mixing, spreading, assembly time, time under pressure and ambient temperature.

25. Plastic Laminate Faced Work:

- Provide cores of not less than 19 mm (3/4") nominal thickness.
- Apply backing sheet to laminated flatwork. Supply uniform coating of sealer on exposed edges. Provide backing sheet of sufficient thickness to compensate stresses caused by facing sheet.

- Self edge, straight line edging with 1.6 mm (1/16") standard material and radius corners with post forming material, apply with same adhesive as facing sheet. Chamfer edges uniformly at approximately 20□degrees, using machine router.

- Locate joints at 2400 mm to 3000 mm (8 to 10 ft) oc. At 'L' shaped corners mitre plastic laminate, to outside corners. Accurately fit member together to provide tight and flush butt joints, in true planes. Provide 6 mm (1/4") blind spline and approved type draw bolts. Provide 1 draw bolt for widths up to 150 mm (6"). For width exceeding 150 mm (6"), provide draw bolts at maximum 250 mm (10") centres. Colour match adjoining units.

- Provide cut outs as required for inserts, fixtures and fittings. Use radiused corners and chamfered edges around cut outs to avoid chipping laminate.

- Post form laminate work to details indicated. Provide same core and laminate profiles to provide continuous support and bond for entire surface.

- Assemble work, true and square. Arrange adjacent parts of continuous laminate work to match in colour and pattern.

2. Millwork

1. Material for interior millwork shall be hardwood plywood or particleboard with birch veneer, as shown, and specified herein, for gables, shelves, backs, divisions tops and wherever sheet laminated material is shown, unless indicated to be of plastic laminate, and solid wood to match adjacent veneer, where solid material is indicated.

2. Semi-Exposed Parts: Interior of all cabinetwork except drawers, but including drawer fronts, shall match exposed parts except where indicated otherwise on Drawings or in schedules and except where specified otherwise. Drawer bottoms and dividers shall be birch plywood unless noted otherwise. Semi-exposed drawer fronts shall match exposed species and all drawer fronts shall cover spaces between gables and drawer sides.

3. Case Doors: 19 mm (3/4") thick with solid particleboard cores. Door faces and cut shall be of same species and cut as exposed plywood used for case.

Provide hardwood edge bands on all four sides of doors. Door face to be Plastic Laminate: Formica Formica Washed Knotty Ash, Matte Finish

4. Case Drawers: Drawer fronts shall be veneered plywood or particleboard core with grain of face veneer running vertically. Edges shall have veneer edge bands of same species as face veneer. All drawers shall be fitted with sliding hardware and shall be fully removable. Drawer face to be Plastic Laminate: Formica Washed Knotty Ash, Matte Finish

5. Shelving:

- Except where noted otherwise, open shelving shall consist of 19 mm (3/4") thick hardwood veneered plywood with veneer edging.

- Gables for adjustable shelving units shall be 19 mm (3/4") thick hardwood veneered plywood with veneer edging on front edge, routed to receive flush mounted metal pilaster strips (standards). Widths shall be as indicated.

- Unless shown or noted otherwise, provide 6 mm (1/4") thick plywood back to all units. Rout plywood back into end gables when gables are exposed to view.

6. Cupboard, Closets, Cabinetwork, Panels, Wall Opening Liners:

- Install solid stops, nosings and veneer edging where indicated on Drawings. Provide veneer edging on vertical edges of cupboard doors.

- Rebate fixed shelves into gables and glue in place.

- Install plastic laminate work where indicated.

- Build in plastic laminate bases, solid oak panels, sliding doors, record storage, vertical dividers, provision for sound equipment, vertical slots, hat shelves and other special features as noted. Obtain templates from Sections providing sound equipment.

Part 3 EXECUTION

3.1 INSTALLATION

1. Construct and install work as indicated on Drawings.

2. Erect work plumb, level, square and to required lines.

3. Be responsible for methods of installation and for ensuring that items and materials are rigidly and securely attached and will not be loosened by work of other trades.

4. When installing items not shop assembled, distribute to best overall advantage defects allowed in quality grade specified.

5. Fasten all wood nailers, blocking, framing and strapping solidly to adjacent materials in true planes.

6. Joints made on Site shall be equal in quality and workmanship to joints made in shop.

7. Furring, Bearing Plates and Rough Framing: Provide and install where indicated on Drawings or required.
8. Insulation Batts: Place with joints pressed closely together and staple to joists and studs as applicable.

9. Strips and Blocking

    1. Where wood is to be fastened to masonry, supply metal nailing plugs to Section 04200, Masonry for building into masonry joints.

    2. Provide and install wood strips required for attaching work of other Sections.

    3. Provide and install all wood blocking required.

    4. Lay sill plate gasket under bearing plates over foundation for outside walls as work progresses. Position gasket flush with exterior wall face.

10. Millwork: Supply and install millwork hardware. Rout in pilaster shelving standards flush with face of gable.

11. Rough Hardware

    1. Supply and install all rough hardware.

    2. Fasten to hollow units with toggle bolts and to solid masonry or concrete with lead expansion shields and lag screws. No organic fibre or wood plugs shall be used.

3.2 DOORS AND FRAMES

1. General

    1. Install fire labelled doors and frames in accordance with NFPA 80.

2. Hollow Metal Doors Frames and Screens

    1. Set door frames (and screens) plumb, square, and level, maintaining widths and heights. Coordinate with Section 04 03 05 01, Masonry Procedures, Section 04 04 15 Masonry Anchorage and Reinforcement and Section 09 29 00, Gypsum Board Systems for building in and anchoring of frames.

    2. Anchor frames securely to studs using minimum of 3 anchors per jamb for jambs up to 2100 mm (7'-0") high and minimum of 4 anchors per jamb for

jambs over 2100 mm (7'-0") high.

3. Brace frames rigidly in position while building in. Remove temporary steel shipping jamb spreaders. Install wood spreaders at third points of frame, rebate height to maintain frame width. Provide vertical support at centre of head for openings exceeding 1200 mm (48") in width. Remove wood spreaders after frames have been built-in.

4. Make allowance for deflection to ensure structural loads are not transmitted to frame.

3. Door Installation

1. Hang doors to swing shut with 1.6 mm (1/16") clearance at heads, 2 mm (3/32") at jambs and 6 mm (1/4") clearance over finished floor surfaces. Install doors so that face on opening side is kept 1.6 mm (1/16") shy (recessed) from rebate even after bumpers are installed. (Check and comply with Door Schedule for conditions requiring greater clearance from floor for air movement and in areas to be carpeted.)

2. Install fire rated doors in accordance with NFPA 80 requirements.

3. Adjust operable parts for correct clearance and function.

4. Install metal louvres.

5. Secure transom and side panels by means of concealed fasteners or countersunk screws concealed by means of wood plugs matching panel.

6. Trim non-rated door width by cutting equally on both jamb edges. Trim door height by cutting bottom edges to maximum of 19 mm (3/4"). Trim fire-rated door height at bottom edge in accordance to ULC requirements. After trimming door, have painter seal top and bottom edges of door under Section 09 91 00, Painting and Finishing.

4. Finish Hardware

1. Take delivery of finish hardware and install, except hardware specified as part of work of another Section. Check each item as received.

2. Install finish hardware for fire rated doors in accordance with NFPA 80 requirements.

1. Set, fit and adjust hardware according to manufacturer's templates and instructions. Hardware shall operate freely. Protect installed hardware from damage and paint spotting.

2. Install all hardware for doors.

3. Pre-drill kickplates and doors before attachment of plates. Apply

with water resistant adhesive and countersunk stainless steel screws.

3. General: Supply and install all other carpentry indicated on Drawings or as required for completion of work. Co-operate with other trades in installing items supplied by other Sections, cut openings in woodwork when so required and make good disturbed surfaces.

3.3 FIELD QUALITY CONTROL

1. In accordance with Section 01 01 00 General Requirements, Owner may engage services of independent recognized Architectural Hardware Consultant (AHC) to review hardware supplied upon delivery to Site and to review installation to assess proper application of finish hardware in accordance with reviewed hardware and keying schedules.

2. Notify the Consultant 2 weeks in advance of delivery of finish hardware to Site and 2 weeks in advance of Substantial Performance of the Contract and allow AHC with free access. Obtain and coordinate services of competent mechanic from Section 08 71 00, Finishing Hardware to assist with verification of hardware received and operation and adjustment of operating hardware items.

3.4 CLEANING

1. On completion, remove manufacturer's identification markings and clean plastic laminate surfaces.

End of Section 06 41 00