

## **1        GENERAL**

### **1.01 REFERENCES**

- .1     American National Standards Institute/National Particleboard Association (ANSI/NPA)
  - .1     ANSI/NPA A208.1-2009, Particleboard.
- .2     CSA International
  - .1     CAN/CSA-A123.2-03(R2013), Asphalt Coated Roofing Sheets.
  - .2     CAN/CSA-A247-M86(R1996), Insulating Fiberboard.
  - .3     CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
  - .4     CSA O121-08 (R2013), Douglas Fir Plywood.
  - .5     CSA O141-05(R2014), Softwood Lumber.
  - .6     CSA O151-09 (R2014), Canadian Softwood Plywood.
  - .7     CSA O153-M1980(R2008), Poplar Plywood.
  - .8     CAN/CSA-Z809-08 (R2013), Sustainable Forest Management.
- .3     Forest Stewardship Council (FSC)
  - .1     FSC-STD-01-001-2004, FSC Principle and Criteria for Forest Stewardship.
- .4     National Lumber Grades Authority (NLGA)
  - .1     Standard Grading Rules for Canadian Lumber 2010.

### **1.02 ACTION AND INFORMATIONAL SUBMITTALS**

- .1     Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2     Product Data:
  - .1     Submit manufacturer's instructions, printed product literature and data sheets for wood products and accessories and include product characteristics, performance criteria, physical size, finish and limitations.

### **1.03 QUALITY ASSURANCE**

- .1     Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- .2     Plywood, particleboard, OSB and wood based composite panels in accordance with CSA and ANSI standards.
- .3     Sustainable Standards Certification:
  - .1     Certified Wood: submit listing of wood products and materials used in accordance with CAN/CSA-Z809 or FSC or SFI.

### **1.04 DELIVERY, STORAGE AND HANDLING**

- .1     Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2     Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.

- .3     Storage and Handling Requirements:
  - .1       Store materials off ground in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2       Store and protect wood from nicks, scratches, and blemishes.
  - .3       Replace defective or damaged materials with new.

## **2     PRODUCTS**

### **2.01 FRAMING STRUCTURAL AND PANEL MATERIALS**

- .1     Framing and board lumber: in accordance with NBC, except as follows: Spruce species, minimum Construction No. 1 grade. S4S, moisture content 19% (S-dry) or less in accordance with the following standards:
  - .1       CSA-0141. NLGA Standard Grading Rules for Canadian Lumber.
  - .2       FSC Certified.
- .2     In-wall solid blocking for access devices, guard rails, hand rails, corner guards, wall bumpers and millwork and casework to be select Douglas fir species, minimum Construction No. 1 Grade. S4S, moisture content 19% (S-dry) or less.

### **2.02 ACCESSORIES**

- .1     Sealants: in accordance with Section 07 92 00 - Joint Sealants.
  - .1       Sealants: VOC limit 250 g/L maximum to SCAQMD Rule 1168.
- .2     Subflooring adhesive: to CAN/CGSB-71.26, cartridge loaded.
- .3     Nails, spikes and staples: to CSA B111.
- .4     Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
- .5     Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fibre plugs, explosive actuated fastening devices, recommended for purpose by manufacturer.

## **3     EXECUTION**

### **3.01 EXAMINATION**

- .1     Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for product installation in accordance with manufacturer's written instructions.
  - .1       Visually inspect substrate in presence of Departmental Representative.
  - .2       Inform Departmental Representative of unacceptable conditions immediately upon discovery.
  - .3       Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

### 3.02 INSTALLATION

- .1     Install members true to line, levels and elevations, square and plumb.
- .2     Construct continuous members from pieces of longest practical length.
- .3     Install spanning members with "crown-edge" up.
- .4     Install subflooring and combined subfloor and underlay with panel end-joints located on solid bearing, staggered at least 800 mm.
  - .1     In addition to mechanical fasteners, floor panels secure floor subflooring to floor joists using screws. Place continuous adhesive bead in accordance with manufacturer's instructions, single-bead on each joist and double-bead on joists where panel ends butt.
- .5     Install furring and blocking as required to space-out and support casework, cabinets, wall and ceiling finishes, facings, fascia, soffit, siding electrical equipment mounting boards, and other work as required.
- .6     Install furring to support siding applied vertically where there is no blocking and where sheathing is not suitable for direct nailing.
  - .1     Align and plumb faces of furring and blocking to tolerance of 1:600.
- .7     Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work.
- .8     Use dust collectors and high quality respirator masks when cutting or sanding wood panels.
- .9     Countersink bolts where necessary to provide clearance for other work.

### 3.03 CLEANING

- .1     Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1     Leave Work area clean at end of each day.
- .2     Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

### 3.04 PROTECTION

- .1     Protect installed products and components from damage during construction.
- .2     Repair damage to adjacent materials caused by rough carpentry installation.

**END OF SECTION**

## **1        GENERAL**

### **1.01 RELATED REQUIREMENTS**

- .1        06 04 00 - Architectural Woodwork.

### **1.02 REFERENCES**

- .1        American National Standards Institute (ANSI)
  - .1        ANSI A208.1-2009, Particleboard.
  - .2        ANSI A208.2-2016, Medium Density Fibreboard (MDF) for Interior Applications.
  - .3        ANSI/HPVA HP-1-10-2016, American National Standard for Hardwood and Decorative Plywood.
- .2        Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
  - .1        Architectural Woodwork Quality Standards, 1st edition, 2009.
- .3        ASTM International
  - .1        ASTM A 123/A 123M-17, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- .4        Canadian General Standards Board (CGSB)
  - .1        CAN/CGSB-11.3-M87, Hardboard.
- .5        CSA International
  - .1        CSA B111-74(R2003), Wire Nails, Spikes and Staples.
  - .2        CSA O121-08 (R2013), Douglas Fir Plywood.
  - .3        CSA O141-05(R2014), Softwood Lumber.
  - .4        CSA O151-09 (R2014), Canadian Softwood Plywood.
  - .5        CSA O153-M1980(R2008), Poplar Plywood.
  - .6        CAN/CSA-Z809-08(R2013), Sustainable Forest Management.
- .6        Forest Stewardship Council (FSC)
  - .1        FSC-STD-01-001-2004, FSC Principle and Criteria for Forest Stewardship.
- .7        National Lumber Grades Authority (NLGA)
  - .1        Standard Grading Rules for Canadian Lumber 2010.

### **1.03 ACTION AND INFORMATIONAL SUBMITTALS**

- .1        Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2        Product Data:
  - .1        Submit two copies of WHMIS MSDS in accordance with Section 01 35 29.06 - Health and Safety Requirements.
- .3        Shop Drawings:
  - .1        Indicate details of construction, profiles, jointing, fastening and other related details.
  - .2        Indicate materials, thicknesses, finishes and hardware.

#### **1.04 QUALITY ASSURANCE**

- .1 Lumber by grade stamp of agency certified by Canadian Lumber Standards Accreditation Board (CLSAB).
- .2 Sustainable Standards Certification:
  - .1 Certified Wood: submit listing of wood products and materials used in accordance with CAN/CSA-Z809 (R2013) or FSC or SFI.
- .3 Plywood, particleboard, OSB and wood based composite panels to CSA and ANSI standards.
- .4 Wood fire rated frames and panels: listed and labelled by an organization accredited by Standards Council of Canada to CAN/ULC-S104 and CAN/ULC-S105.

#### **1.05 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
  - .1 Store materials off ground indoors in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2 Store and protect wood products from nicks, scratches, and blemishes.
  - .3 Replace defective or damaged materials with new.

### **2 PRODUCTS**

#### **2.01 MATERIALS**

- .1 Panel Material: urea-formaldehyde free
  - .1 Douglas fir plywood (DFP): to CSA O121, standard construction.
  - .2 Particleboard: to ANSI A208.1.

#### **2.02 ACCESSORIES**

- .1 Nails and staples: to CSA B111; galvanized to ASTM A 123/A 123M for exterior work, interior humid areas and for treated lumber; plain finish.
- .2 Wood screws: plain, electroplated or stainless steel, type and size to suit application.
- .3 Splines: solid hardwood.
- .4 Adhesive and Sealants: in accordance with Section 07 92 00 - Joint Sealants.

### **3      EXECUTION**

#### **3.01   INSTALLATION**

- .1      Do finish carpentry to Quality Standards of (AWMAC).
- .2      Scribe and cut as required, fit to abutting walls, and surfaces, fit properly into recesses and to accommodate piping, columns, fixtures, outlets, or other projecting, intersecting or penetrating objects.
- .3      Form joints to conceal shrinkage.

#### **3.02   CONSTRUCTION**

- .1      Fastening:
  - .1      Position items of finished carpentry work accurately, level, plumb, true and fasten or anchor securely.
  - .2      Design and select fasteners to suit size and nature of components being joined. Use proprietary devices as recommended by manufacturer.
  - .3      Set finishing nails to receive filler. Where screws are used to secure members, countersink screw in round smooth cut hole and plug with wood plug to match material being secured.
  - .4      Replace items of finish carpentry with damage to wood surfaces including hammer and other bruises.
- .2      Standing and running trim:
  - .1      Butt and cope internal joints of baseboards to make snug, tight, joint. Cut right angle joints of casing and base with mitred joints.
  - .2      Fit backs of baseboards and casing snugly to wall surfaces to eliminate cracks at junction of base and casing with walls.
  - .3      Make joints in baseboard, where necessary using a 45 degrees scarf type joint.
  - .4      Install door and window trim in single lengths without splicing.
- .3      Interior and exterior frames:
  - .1      Set frames with plumb sides and level heads and sills and secure.

#### **3.03   CLEANING**

- .1      Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1      Leave Work area clean at end of each day.
- .2      Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

#### **3.04   PROTECTION**

- .1      Protect installed products and components from damage during construction.
- .2      Repair damage to adjacent materials caused by finish carpentry installation.

**END OF SECTION**

## 1 GENERAL

### 1.01 RELATED REQUIREMENTS

- .1 Section 06 47 00 - Plastic Laminate Finishing.
- .2 Section 07 92 00 - Joint Sealants.

### 1.02 REFERENCES

- .1 Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
  - .1 Architectural Woodwork Quality Standards Illustrated, 8th edition, Version 1.0 (2009).
- .2 Forest Stewardship Council (FSC)
  - .1 FSC-STD-01-001-2004, FSC Principle and Criteria for Forest Stewardship.

### 1.03 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
  - .1 Submit manufacturer's instructions, printed product literature and data sheets for architectural woodwork and include product characteristics, performance criteria, physical size, finish and limitations.
  - .2 Submit two copies of WHMIS MSDS in accordance with Section 01 35 29.06 - Health and Safety Requirements.
- .3 Shop Drawings:
  - .1 Indicate details of construction, profiles, jointing, fastening and other related details.
    - .1 Scales: profiles full size, details half full size.
  - .2 Indicate materials, thicknesses, finishes and hardware.
  - .3 Indicate locations of service outlets in casework, typical and special installation conditions, and connections, attachments, anchorage and location of exposed fastenings.
- .4 Samples:
  - .1 Submit for review and acceptance of each unit.
  - .2 Submit duplicate samples, Sample size 600 x 600 mm or 600 mm long.
  - .3 Submit duplicate samples of laminated plastic for colour selection.
  - .4 Submit duplicate samples of laminated plastic joints, edging, cutouts and postformed profiles.

### 1.04 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.

- .1 Protect millwork against dampness and damage during and after delivery.
- .2 Store millwork in ventilated areas, protected from extreme changes of temperature or humidity.
- .3 Storage and Handling Requirements:
  - .1 Store materials off ground indoors in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2 Store and protect architectural woodwork from nicks, scratches, and blemishes.
  - .3 Replace defective or damaged materials with new.

## 2 PRODUCTS

### 2.01 MATERIALS

- .1 Provide FSC certified products for all wood components.
- .2 Hardwood lumber: moisture content 7 % or less in accordance with following standards:
  - .1 AWMAC premium grade, moisture content as specified.
- .3 Douglas fir plywood (DFP): to CSA 0121, standard construction, CAN/CSA-Z809 or FSC or SFI certified.
  - .1 Plywood resin to contain no added urea-formaldehyde.
- .4 Hardwood plywood: to ANSI/HPVA HP-1, CAN/CSA-Z809 or FSC or SFI certified.
  - .1 Plywood resin to contain no added urea-formaldehyde.
- .5 Laminated plastic as specified in Section 05 47 00 - Plastic Laminate Finishing.
- .6 Nails and staples: to CSA B111.
- .7 Wood screws: stainless steel, galvanized or plated steel, type and size to suit application.
- .8 Splines: wood.
- .9 Sealant: in accordance with Section 07 92 00 - Joint Sealants.
  - .1 Sealants: VOC limit 250 g/L maximum to SCAQMD Rule 1168.
- .10 Laminated plastic adhesive: as specified in Section 06 47 00 - Plastic Laminate Finishing.

### 2.02 MANUFACTURED UNITS

- .1 Casework:
  - .1 Fabricate caseworks to AWMAC custom quality grade.
  - .2 Furring, blocking, nailing strips, grounds and rough bucks and sleepers.
    - .1 Board sizes: "standard" or better grade.
    - .2 Dimension sizes: "standard" light framing or better grade.
    - .3 Urea-formaldehyde free.



- .3 Framing: kiln dried spruce or fir species. S4S, minimum 19mm thick. Concealed locations only.
- .4 Case bodies (ends, divisions, tops and bottoms): DFP, G2S, square edges. Thickness: 19mm or as indicated. Covered with plastic laminate both sides and all exposed edges.
- .5 Backs: DFP 12.5 mm G1S. Covered with Plastic Laminate backing sheet on inside face.
  - .1 Softwood and poplar plywood DFP or
- .6 Shelving: DFP G2S , square edge, 16 mm thick, covered with Plastic Laminate both sides and exposed.
- .2 Drawers:
  - .1 Fabricate drawers to AWMAC premium custom grade supplemented as follows:
  - .2 Sides, Backs and False Front (or "Aprons"): 12.5 mm DFP, G2S, covered with Plastic Laminate both sides and top.
  - .3 Bottoms: 12.5 mm DFP, G1S, covered with Plastic Laminate.
  - .4 Fronts: 19 mm DFP, G2S, covered with Plastic Laminate both sides and all exposed edges.
- .3 Casework Doors:
  - .1 Fabricate doors to AWMAC custom grade supplemented as follows:
  - .2 DFP grade G2S, square edge, 19 mm thick, covered with Plastic Laminate both sides and all exposed edges.
- .4 Counter tops: fabricate counter tops to AWMAC premium grade. Particle board core, minimum 19mm thick. Nosing detail as indicated in hardwood. No backsplash. Provide countertop in one piece length per location. Bottom covered with Plastic Laminate backing sheet.

## 2.03 FABRICATION

- .1 Set nails and countersink screws apply wood filler to indentations, sand smooth and leave ready to receive finish.
- .2 Shop install cabinet hardware for doors, shelves and drawers. Recess shelf standards unless noted otherwise.
- .3 Shelving to cabinetwork to be adjustable unless otherwise noted.
- .4 Provide cutouts for plumbing fixtures, inserts, appliances, outlet boxes and other fixtures.
- .5 Shop assemble work for delivery to site in size easily handled and to ensure passage through building openings.
- .6 Obtain governing dimensions before fabricating items which are to accommodate or abut appliances, equipment and other materials.
- .7 Ensure adjacent parts of continuous laminate work match in colour and pattern.
- .8 Veneer laminated plastic to core material in accordance with adhesive manufacturer's instructions. Ensure core and laminate profiles coincide to provide continuous support and bond over entire surface. Use continuous lengths up to 3000 mm. Keep joints 600 mm from sink cutouts.

- .9 Form shaped profiles and bends as indicated, using postforming grade laminate to laminate manufacturer's instructions.
- .10 Use straight self-edging laminate strip for flatwork to cover exposed edge of core material. Chamfer exposed edges uniformly at approximately 20 degrees. Do not mitre laminate edges.
- .11 Apply laminate backing sheet to reverse side of core of plastic laminate work.
- .12 Apply laminated plastic liner sheet to interior of cabinetry.

### 3 EXECUTION

#### 3.01 INSTALLATION

- .1 Perform architectural woodwork to Quality Standards of AWMAC.
- .2 Install prefinished millwork at locations shown on drawings.
  - .1 Position accurately, level, plumb straight.
- .3 Fasten and anchor millwork securely.
  - .1 Supply and install heavy duty fixture attachments for wall mounted cabinets.
- .4 Use draw bolts in countertop joints.
- .5 Scribe and cut as required to fit abutting walls and to fit properly into recesses and to accommodate piping, columns, fixtures, outlets or other projecting, intersecting or penetrating objects.
- .6 At junction of plastic laminate counter back splash and adjacent wall finish, apply small bead of sealant in accordance with Section 07 92 00 - Joint Sealants.
- .7 Apply water resistant building paper over wood framing members in contact with masonry or cementitious construction.
- .8 Fit hardware accurately and securely in accordance with manufacturer's written instructions.
- .9 Shop apply laminated plastic to units as indicated.
  - .1 Adhere laminated plastic over entire surface.
  - .2 Make corners with hairline joints.
  - .3 Use full sized laminate sheets.
  - .4 Make joints only where approved by Departmental Representative.
  - .5 Slightly bevel arises.

#### 3.02 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
  - .1 Clean millwork and cabinet work inside cupboards and drawers and

outside surfaces.

- .2 Remove excess glue from surfaces.

### **3.03 PROTECTION**

- .1 Protect millwork and cabinet work from damage until final inspection.
- .2 Protect installed products and components from damage during construction.
- .3 Repair damage to adjacent materials caused by architectural woodwork installation.

### **3.04 SCHEDULES**

- .1 Refer to drawings.

**END OF SECTION**

## **1      GENERAL**

### **1.01 RELATED REQUIREMENTS**

- .1      Section 06 40 00 - Architectural Woodwork.
- .2      Section 07 92 00 - Joint Sealants.

### **1.02 REFERENCES**

- .1      Canadian General Standards Board (CGSB)
  - .1      CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.
- .2      National Electrical Manufacturers Association (NEMA)
  - .1      ANSI/NEMA LD-3-05, High Pressure Decorative Laminates (HPDL).

### **1.03 ACTION AND INFORMATIONAL SUBMITTALS**

- .1      Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2      Product Data:
  - .1      Submit manufacturer's instructions, printed product literature and data sheets for laminate, adhesive, and core materials and include product characteristics, performance criteria, physical size, finish and limitations.
  - .2      Submit two copies of WHMIS MSDS in accordance with Section 01 35 29.06 - Health and Safety Requirements. Indicate VOC's for adhesives in g/L.
- .3      Samples:
  - .1      Submit for review and acceptance of each unit.
  - .2      Samples will be returned for inclusion into work.
  - .3      Submit duplicate samples of joints, edging, cutouts and postformed profiles.
- .4      Certifications: submit certificates signed by manufacturer certifying that materials comply with specified performance characteristics and physical properties.

### **1.04 CLOSEOUT SUBMITTALS**

- .1      Provide maintenance data for laminate work for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

### **1.05 DELIVERY, STORAGE AND HANDLING**

- .1      Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2      Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3      Storage and Handling Requirements:

- .1 Store materials off ground indoors in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
- .2 Store and protect laminate, adhesive, and core materials from nicks, scratches, and blemishes.
- .3 Replace defective or damaged materials with new.

## 2 PRODUCTS

### 2.01 MATERIALS

- .1 Laminated plastic for flatwork: to NEMA LD3.
  - .1 Type 1:
    - .1 Type: general purpose.
    - .2 Grade: HGS.
    - .3 Size: 1.27 mm thick.
    - .4 Colour: off-white.
    - .5 Pattern: solid colour.
    - .6 Finish: textured.
  - .2 Type 2:
    - .1 Type: general purpose.
    - .2 Grade: HGS.
    - .3 Size: 1.27 mm thick.
    - .4 Colour: multiple tones of beige.
    - .5 Pattern: woodgrain to resemble rift cut Oak wood species.
    - .6 Finish: textured.
  - .3 Type 3:
    - .1 Type: general purpose.
    - .2 Grade: HGS.
    - .3 Size: 1.27 mm thick.
    - .4 Colour: taupe
    - .5 Pattern: appearance to resemble a cross-hatched fabric.
    - .6 Finish: textured.
- .2 Laminated plastic for backing sheet: to NEMA LD3.
  - .1 Type: backer.
  - .2 Grade: BK, Type HD.
  - .3 Size: not less than 0.5 mm thick or same thickness as face laminate.
  - .4 Colour: same colour as face laminate.
- .3 Plywood core: to DFP G1S or G2S as specified in Section 06 40 00 - Architectural Woodwork.
- .4 Laminated plastic adhesive: as recommended by the manufacturer.
- .5 Sealer: water resistant sealer or glue acceptable to laminate manufacturer.

### 2.02 FABRICATION

- .1 Comply with NEMA LD3, Annex A.
- .2 Obtain governing dimensions before fabricating items which are to accommodate or abut appliances, equipment and other materials.

- .3      Ensure adjacent parts of continuous laminate work match in colour and pattern.
- .4      Veneer laminated plastic to core material in accordance with adhesive manufacturer's instructions. Ensure core and laminate profiles coincide to provide continuous support and bond over entire surface. Use continuous lengths up to 3000 mm. Keep joints 600 mm from sink cutouts.
- .5      Form shaped profiles and bends as indicated, using postforming grade laminate to laminate manufacturer's instructions.
- .6      Use straight self-edging laminate strip for flatwork to cover exposed edge of core material. Chamfer exposed edges uniformly at approximately 20 degrees. Do not mitre laminate edges.
- .7      Apply laminate backing sheet to reverse side of core of plastic laminate work.
- .8      Apply laminated plastic liner sheet to interior of cabinetry where indicated.

### **3      EXECUTION**

#### **3.01 MANUFACTURER'S INSTRUCTIONS**

- .1      Compliance: comply with manufacturer's written recommendations, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

#### **3.02 INSTALLATION**

- .1      Install work plumb, true and square, neatly scribed to adjoining surfaces.
- .2      Make allowances around perimeter where fixed objects pass through or project into laminated plastic work to permit normal movement without restriction.
- .3      Use draw bolts and splines in countertop joints. Maximum spacing 450 mm on centre, 75 mm from edge. Make flush hairline joints.
- .4      Provide cutouts for inserts, grilles, appliances, outlet boxes and other penetrations. Round internal corners, chamfer edges and seal exposed core.
- .5      At junction of laminated plastic counter back splash and adjacent wall finish, apply small bead of sealant.
- .6      Shop apply laminated plastic to units as indicated. Adhere laminated plastic over entire surface. Make corners with hairline joints. Use full sized laminate sheets. Make joints only where indicated or approved. Slightly bevel arrises.

#### **3.03 CLEANING**

- .1      Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1      Leave Work area clean at end of each day.

- .2    Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
  - .1    Clean to NEMA LD3, Annex B.
  - .2    Remove traces of primer, caulking, epoxy and filler materials and clean doors and frames.

### **3.04 PROTECTION**

- .1    Cover finished laminated plastic veneered surfaces with heavy kraft paper or put in cartons during shipment.
- .2    Protect installed laminated surfaces in accordance with manufacturer's written recommendations.
  - .1    Remove protection only immediately before final inspection.
- .3    Protect installed products and components from damage during construction.
- .4    Repair damage to adjacent materials caused by laminate, adhesive, and core materials installation.

**END OF SECTION**