

PART 1 - GENERAL

- 1.1 RELATED SECTIONS
- .1 Section 06 40 00 - Architectural Woodwork.
 - .2 Section 07 52 00 - Modified Bituminous Roofing Membrane.
- 1.2 REFERENCES
- .1 American Society for Testing and Materials (ASTM)
 - .1 ASTM A 653/A653M-09a, Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvanealed) by the Hot-Dip Process.
 - .2 ASTM E 84-10, Standard Test Method for Surface Burning Characteristics of Building Materials.
 - .3 ASTM E 1333-96(2002), Test Method for Determining Formaldehyde Concentrations in Air and Emissions Rates from Wood Products Using a Large Chamber.
 - .4 ASTM D 1761-06, Standard Test Methods for Mechanical Fasteners in Wood.
 - .2 Canadian Standards Association (CSA)
 - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
 - .2 CAN/CSA-G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .3 CSA O112 Series-M1977(R2006), CSA Standards for Wood Adhesives.
 - .4 CSA O121-08, Douglas Fir Plywood.
 - .5 CAN/CSA-O141-05, Softwood Lumber.
 - .6 CSA O151-09, Canadian Softwood Plywood.
 - .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 2000.
 - .5 National Fire Protection Association (NFPA):
 - .1 NFPA 255 Standard Test Method for Surface Burning Characteristics of Building Materials.
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1.3 QUALITY
ASSURANCE

- .1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- .2 Plywood and wood based composite panels in accordance with CSA standards and Canadian Panel Association (CPA).
- .3 Plywood identification: by grade mark in accordance with applicable CSA standards, Council of Forest Industries (COFI) certified.
- .4 Fire retarder treated plywood: certified test report showing compliances with specified performance characteristics and physical properties. Include in test report certification that fire retardant solution does not contain ammonium phosphate.

1.4 WASTE
MANAGEMENT AND
DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management System.
- .2 Separate metal, plastic, wood and corrugated cardboard-packaging in accordance with the Waste Management Plan and place in designated areas for recycling.
- .3 Do not burn scrap at the project site.
- .4 Fold up metal banding, flatten, and place in designated area for recycling.

PART 2 - PRODUCTS

2.1 LUMBER
MATERIALS

- .1 Lumber: unless specified otherwise, softwood, S4S, moisture content 19% (S-dry) or less in accordance with following standards:
 - .1 CAN/CSA-0141.
 - .2 NLGA Standard Grading Rules for Canadian Lumber.
 - .3 Forest Stewardship Council (FSC) certified.
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- 2.1 LUMBER MATERIALS (Cont'd)
- .2 Furring, blocking, nailing strips, grounds, rough bucks, curbs, and sleepers:
- .1 S2S is acceptable.
 - .2 Board sizes: "Standard" or better grade.
 - .3 Dimension sizes: "Standard" light framing or better grade.
 - .4 Forest Stewardship Council (FSC) certified.
- 2.2 PANEL MATERIALS
- .1 Plywood, OSB and wood based composite panels:
- .1 CAN/CSA-O325.0, exterior grade, Canply/COFI certified.
 - .2 Forest Stewardship Council (FSC) certified.
- .2 Douglas fir plywood (DFP):
- .1 CSA O121, standard construction, exterior grade, Canply/COFI certified.
 - .2 Forest Stewardship Council (FSC) certified.
- .3 Canadian softwood plywood (CSP):
- .1 CSA O151, standard construction, exterior grade, Canply/COFI certified.
 - .2 Forest Stewardship Council (FSC) certified
- .4 All panel materials to contain no added urea formaldehyde when tested in accordance with ASTM E1333.
- 2.3 FIRE RETARDANT TREATED PLYWOOD
- .1 Douglas fir plywood, fire retardant treated and produced in a licensed treatment plant.
- .2 Treatment to be free of halogens, sulfates and ammonium phosphate.
- .3 Product to have a flame spread rating of less than 25 when tested in an extended 30 minute tunnel test in accordance with ASTM E 84, NFPA 255 or UL 723.
- 2.4 ACCESSORIES
- .1 Nails, spikes and staples: to CSA B111.
- .2 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
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- 2.4 ACCESSORIES .3 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.
(Cont'd)
- 2.5 FASTENER FINISHES .1 Galvanizing: to CAN/CSA-G164, use hot dipped galvanized fasteners for exterior work and pressure-preservative treated materials.
- 2.6 WOOD PRESERVATIVE .1 Pressure impregnated wood preservative: preservative to be vacuum/pressure impregnated in accordance with CSA 080.1 to an average net retention of 4.0 kg/m³ of C.A. (Copper Azole) preservative or ACQ preservative, arsenic free.
- .2 End cut treatment: preservative as recommended by treated wood manufacturer.
- .3 All fasteners used in the installation of pressure treated wood to be either hot dipped galvanized or stainless steel.

PART 3 - EXECUTION

- 3.1 PREPARATION .1 Store wood products off the ground and protected from weather.
- .2 Pressure treated surfaces exposed by cutting, trimming or boring to be re-treated with liberal brush application of preservative as recommended by manufacture before installation.
- .3 Pressure treated material to be used:
.1 Wood cants, fascia backing, curbs, nailers, sleepers on roof deck.
.2 Wood furring and blocking on outside surface of exterior masonry and concrete walls.
.3 Wood furring and blocking to exterior side of air/vapour barrier.
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3.2 INSTALLATION

- .1 Comply with requirements of NBC supplemented by following paragraphs.
- .2 Install members true to line, levels and elevations, square and plumb.
- .3 Construct continuous members from pieces of longest practical length.
- .4 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.
- .5 Align and plumb faces of furring and blocking to tolerance of 1:600.
- .6 Install wood cants, fascia backing, nailers, curbs and other wood supports as required and secure using galvanized fasteners.
- .7 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work.
- .8 Use caution when working with particle board and preservative treated wood. Use dust collectors and high quality respirator masks when cutting or sanding wood panels.

3.3 ERECTION

- .1 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .2 Countersink bolts where necessary to provide clearance for other work.

3.4 SCHEDULES

- .1 Provide equipment backboards for mounting electrical and communication equipment as indicated. Use 19 mm thick fire retardant treated plywood on 19 x 38 mm furring around perimeter and at maximum 300 mm intermediate. Pre-paint by Section 09 91 23 before installation.
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3.4 SCHEDULES
(Cont'd)

- .2 Pressure preservative treated material to be used, including but not limited to the following:
- .1 Wood window bucks exposed to cavity.
 - .2 Wood cants, fascia backing, curbs, nailers, sleepers on roof deck.
 - .3 Wood furring and blocking to exterior side of air/vapour barrier.

PART 1 - GENERAL

- 1.1 RELATED SECTIONS
- .1 Section 06 20 00 - Finish Carpentry
 - .2 Section 06 47 00 - Plastic Laminate Finishing.
 - .3 Section 07 92 00 - Joint Sealing.
- 1.2 REFERENCES
- .1 American National Standards Institute (ANSI)
 - .1 ANSI A208.1-99, Particleboard.
 - .2 American Society for Testing and Materials (ASTM)
 - .1 ASTM E 1333-96(2002), Standard Test Method for Determining Formaldehyde Concentrations in Air and Emission Rates From Wood Products Using a Large Chamber.
 - .2 ASTM D 2832-92(R2005), Standard Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings.
 - .3 ASTM D 5116-06, Standard Guide For Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials/Products.
 - .3 Architectural Woodwork Manufacturers Association of Canada (AWMAC)
 - .1 AWMAC Quality Standards for Architectural Woodwork, 2003.
 - .4 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.
 - .5 Canadian Standards Association (CSA)
 - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
 - .2 CSA O112.4-M1977(R2006), Standards for Wood Adhesives.
 - .3 CSA O121-08, Douglas Fir Plywood.
 - .4 CSA O141-05, Softwood Lumber.
 - .6 Forest Stewardship Council (FSC)
 - .1 FSC-STD-01-001-2004, FSC Principle and Criteria for Forest Stewardship.
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1.2 REFERENCES
(Cont'd)

- .7 Environmental Choice Program (ECP)
 - .1 ECP-44-92, Adhesives.
 - .2 ECP-45-92, Sealants and Caulking Compounds.
 - .3 ECP-76-98, Surface Coatings.
- .8 National Hardwood Lumber Association (NHLA)
 - .1 Rules for the Measurement and Inspection of Hardwood and Cypress, January 1996.
- .9 National Lumber Grades Authority (NLGA)
 - .1 Standard Grading Rules for Canadian Lumber, 2000.

1.3 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Indicate details of construction, profiles, jointing, fastening and other related details.
- .3 Indicate materials, thicknesses, finishes and hardware.
- .4 Indicate locations of service outlets in casework, typical and special installation conditions, and connections, attachments, anchorage and location of exposed fastenings.

1.4 SAMPLES

- .1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit duplicate samples: sample size 300 x 300 mm or 300 mm long unless specified otherwise of MCP.
- .3 Submit duplicate colour samples of laminated plastic for colour selection as per Section 06 47 00.

1.5 DELIVERY,
STORAGE, AND
HANDLING

- .1 Deliver, handle, store and protect materials of this section in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Protect millwork against dampness and damage during and after delivery.

1.5 DELIVERY, STORAGE, AND HANDLING
(Cont'd)

.3 Store millwork in ventilated areas, protected from extreme changes of temperature or humidity.

1.6 WASTE MANAGEMENT AND DISPOSAL
DISPOSAL

.1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management System and the Waste Reduction Workplan, to the maximum extent economically possible.

.2 Separate corrugated cardboard in accordance with Waste Management Plan and place in designated areas for recycling.

.3 Do not burn scrap at the project site.

.4 Fold up metal banding, flatten, and place in designated area for recycling.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Softwood lumber: unless specified otherwise, S4S, moisture content 8 % or less in accordance with following standards:

- .1 CAN/CSA-0141.
- .2 NLGA Standard Grading Rules for Canadian Lumber.
- .3 Forest Stewardship Council (FSC) certified.

.2 Douglas fir plywood (DFP):

- .1 CSA 0121-M, G1S and G2S grade, good one side.
- .2 Forest Stewardship Council (FSC) certified.

.3 Melamine Composite Panel (MCP): to ANSI-A208.1:

- .1 Forest Stewardship Council (FSC) certified.
- .2 Core: Grade M-2 particle board; no added urea formaldehyde when tested in accordance with ASTM E1333-96(2002).

2.1 MATERIALS
(Cont'd)

- .3 Melamine Composite Panel (MCP):(Cont'd)
 - .3 Thermally fused melamine, 2 sides, suede, Natural Maple colour/pattern, unless noted otherwise.
 - .4 Adhesives used to fabricate laminated assemblies containing these products must contain no urea formaldehyde.
 - .4 Edgebanding:
 - .1 General, all exposed edges: 3 mm PVC, colour and through pattern to match face panel, unless noted otherwise.
 - .2 Concealed edges only: 0.5 mm (0.018") PVC, colour to match face where used on concealed shelf edges.
 - .3 All edgebanding to be applied using an edgebanding machine with heat, pressure and glue.
 - .5 Nails and staples: to CSA B111.
 - .6 Particle board screws: low root and high thread, purpose made for installation in particle board, size to suit application.
 - .7 Splines: wood.
 - .8 Sealant: as per Section 07 92 00.
 - .9 Screws into concrete block: Tapcon by Buildex.
 - .10 Screw and bolt caps to cover heads of fasteners used to secure cabinets to walls - Pop on Screw Covers for 6 mm diameter screws.
 - .11 Gable connectors - Joint Connector Bolt JCBB0101 C x 2 and Joint Connector Cap JCN010 C x 2 by Richelieu.
 - .12 Door and drawer bumpers - thin self adhesive clear silicone rubber bumpers.
 - .13 Wall bumpers - 6 mm thick.
 - .14 Metal trim: for use with window sills, aluminum, black or clear anodized finish to match window millions: Extrude-A-Trim.
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2.2 MANUFACTURED .1
UNITS

Casework:

- .1 Fabricate casework to AWMAC custom quality grade. Construct casework from 19 mm MCP as indicated.
- .2 Toe kicks: 19 mm Douglas Fir plywood, exterior grade. Covered with resilient base by 09 65 19.
- .3 Fabrication to be with dowels.
- .4 Cabinet backs shall be 12 mm MCP installed as full overlay or 16 mm overlay where the exterior side of the gable is exposed. Secure with #8 x 38 mm particle board screws. Spacing to be 75 mm from the corner and 200 mm c/c. Staples can be installed between the screws.
- .5 Shelves to be 19 mm, G2S DFP plastic laminate covered all faces and edges.

.2 Drawers:

- .1 Fabricate drawers to AWMAC custom grade supplemented as follows:
- .2 Sides, false front and back of boxes: construct of 19 mm MCP.
- .3 Bottom: construction of 19 mm MCP.
- .4 Exposed edges of the box finished with 3 mm PVC.
- .5 Drawer fronts to be securely fastened to drawer boxes.
- .6 Drawer bottom to be captured in 9 mm standing shoulders on all four sides, or captured in front and two sides with #8 screws at 100 mm c/c on the back edge with staples between, or captured on two sides and secured with screws and staples on front and back.
- .7 Drawer fronts plastic laminate both faces and all edges.

.3 Doors:

- .1 Typical doors and drawer fronts to be 19 mm DFP, plastic laminate covered both faces and all edges.

.4 Hardware:

- .1 Cabinet hardware:
 - .1 Hinges: 170° swing, spring loaded, with cruciform 2 part mounting plate for 3 dimensional adjustment.
 - .2 Cabinet pulls: D-shape, 223 mm x 35mm diameter stainless steel wire pull, brushed finish, to match drawer pulls.

2.2 MANUFACTURED .4
UNITS
(Cont'd)

- Hardware:(Cont'd)
- .2 Drawer hardware:
 - .1 Drawer slides: steel, side mount, full extension ball bearing.
 - .2 Drawer pulls: D-shape, 223 mm x 35mm diameter stainless steel wire pull, brushed finish, to match cabinet pulls.
 - .3 Adjustable shelves:
 - .1 Pilaster strips: 16mm steel, zinc finish.
 - .2 Pilaster clips: steel, zinc finish, heavy-duty.

2.3 FABRICATION

- .1 Shop install cabinet hardware for doors, shelves and drawers. Recess shelf standards unless noted otherwise.
- .2 Shelving to cabinetwork to be adjustable unless otherwise noted.
- .3 Provide cutouts for plumbing fixtures, inserts, appliances, outlet boxes and other fixtures.
- .4 Shop assemble work for delivery to site in size easily handled and to ensure passage through building openings.
- .5 Obtain governing dimensions before fabricating items which are to accommodate or abut appliances, equipment and other materials.
- .6 Provide bumpers on all doors and drawer fronts.
- .7 Provide a bumper on the wall adjacent to every door whose handle will hit the wall.
- .8 Hinges - three per base unit or upper cabinet door, four per cabinet door above file drawers and five per full height cabinet door.
- .9 All edges, whether exposed or concealed from view, to be sealed with PVC tape.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Do architectural woodwork to Quality Standards of the Architectural Woodwork Manufacturers Association of Canada (AWMAC), except where specified otherwise.
- .2 Install prefinished millwork at locations shown on drawings. Position accurately, level, plumb straight.
- .3 Fasten and anchor millwork securely:
 - .1 Cabinet bases to be secured to the floor with 38 mm x 25 mm x 25 mm metal cabinet clips. Use 5 mm x 23 mm drop in pin bolts into floor and #8 x 19 mm wood screws into the base. Minimum of 6 clips per base section.
 - .2 Wall mounted upper cabinets to be secured to concrete block walls with 6 mm x 56 mm Tapcon screws. Minimum of four per individual shelf box. Two located 50 mm down from the top and two at mid height.
 - .3 All gables to be connected together with specified joint connector bolt and cap. Four per cabinet.
 - .4 All exposed bolt heads and screw heads to be covered with specified Screw and Bolt Caps.
- .4 Ensure all hidden spaces of millwork (i.e.: under cabinet bases, etc) are clean and free of all dirt and debris at time of installation

3.2 CLEANING

- .1 Clean millwork and cabinet work inside cupboards and drawers and outside surfaces.
- .2 Remove excess glue from surfaces.

3.3 PROTECTION

- .1 Protect millwork and cabinet work from damage until final inspection.

PART 1 - GENERAL

1.1 RELATED SECTIONS

.1 Section 06 40 00 - Architectural Woodwork.

.2 Section 07 92 00 - Joint Sealants.

1.2 REFERENCES

.1 American National Standards Institute/
National Electrical Manufacturers Association
(ANSI/NEMA)

.1 LD 3-2005, High-Pressure Decorative Laminates

.2 American Society for Testing and Materials International, (ASTM)

.1 ASTM D 2832-92(R2005), Standard Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings.

.2 ASTM D 5116-06, Standard Guide For Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials/Products.

.3 ASTM E 1333-96(2002), Standard Test Method for Determining Formaldehyde Concentrations in Air and Emission Rates from Wood Products using a large chamber.

.3 Canadian General Standards Board (CGSB)

.1 CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.

.4 Canadian Standards Association (CSA International)

.1 CSA O112-M1977(R2006), Standards for Wood Adhesives.

.2 CSA O112.5-1.1-Series-M-1977(R2001), Urea Resin Adhesives for Wood (Room- and High-Temperature Curing).

.3 CSA O112.7-1.1-Series M-1977(R2001), Resorcinol and Phenol-Resorcinol Resin Adhesives for Wood (Room- and Intermediate-Temperature Curing).

.4 CSA O121-08, Douglas Fir Plywood.

.5 CSA O141-05, Softwood Lumber.

.5 Environmental Choice Program (EPC)

.1 CCD-044-95, Adhesives.

.2 CCD-045-95, Sealants and Caulking Compounds.

- 1.3 SUBMITTALS .1 Product Data:
- .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Submit two copies of WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures. Indicate VOC's for adhesives, solvents and cleaners.
- .2 Samples:
- .1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Submit duplicate samples of joints, edging, cutouts and postformed profiles.
- .3 Manufacturer's Instructions:
- .1 Submit manufacturer's installation instructions.
- .4 Closeout Submittals:
- .1 Provide maintenance data for laminate work for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.
- 1.4 QUALITY ASSURANCE .1 Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
- .2 Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.
- 1.5 DELIVERY, STORAGE, AND HANDLING .1 Storage and Protection:
- .1 Deliver, handle, store and protect materials of this section in accordance with Section 01 61 00 - Common Product Requirements.
 - .2 Maintain relative humidity between 25 and 60% at 22 degrees C during storage and installation.
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- 1.6 WASTE MANAGEMENT AND DISPOSAL
- .1 Divert wood cut-offs from landfill by disposal at nearest wood recycling facility.
 - .2 Divert reusable materials for reuse at nearest used building materials facility or similar type facility.
 - .3 Divert unused caulking, sealants, surface coatings and adhesive materials from landfill through disposal at a special wastes depot.

PART 2 - PRODUCTS

- 2.1 MATERIALS
- .1 Laminated plastic for flatwork: to NEMA LD 3.
 - .1 Type: General purpose.
 - .2 Grade: HGS.
 - .3 Size: 1.27 mm thick.
 - .4 Pattern: woodgrain or printed pattern.
 - .5 Finish: satin.
 - .2 Laminated plastic for postforming work: to NEMA LD 3.
 - .1 Type: Postforming.
 - .2 Grade: HGP.
 - .3 Size: 0.76 mm thick.
 - .4 Pattern: woodgrain and printed pattern.
 - .5 Finish: satin.
 - .3 Laminated plastic for backing sheet: to NEMA LD 3.
 - .1 Type: Backer.
 - .2 Grade: BKL.
 - .3 Size: not less than 0.5 mm thick or same thickness as face laminate.
 - .4 Plywood core: Dfir ply to CSA O121 standard construction, G1S or G2S grade, Canply/COFI certified, 19 mm thick.
 - .5 Particleboard core: to CAN3-0188.1, Grade M-2, sanded faces, 19 mm thickness, no added urea formaldehyde when tested in accordance with ASTM E1333.
 - .6 Laminated plastic adhesive: Adhesives used to fabricate laminated assemblies must contain no urea formaldehyde.

- 2.1 MATERIALS
(Cont'd)
- .7 Sealer: water resistant sealer or glue acceptable to laminate manufacturer; zero VOC's.
 - .8 Sealants: as per Section 07 92 00.
 - .9 Draw bolts and splines: as recommended by fabricator.
 - .10 Colours as selected from manufacturer's full range; not more than 4.
 - .11 Acceptable material:
 - .1 Arborite.
 - .2 Formica.
 - .3 Nevamar.
- 2.2 FABRICATION
- .1 Comply with NEMA LD 3, 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 2400 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. Cover and seal all exposed edges of core material.
 - .7 Apply laminate backing sheet to reverse side of core of plastic laminate work.
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PART 3 - EXECUTION

3.1 MANUFACTURER'S
INSTRUCTIONS

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

3.2 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 and adjacent wall finish, apply small bead of sealant.
- .6 Finish all sides and edges to reduce emissions.

3.3 PROTECTION

- .1 Cover finished laminated plastic veneered surfaces with heavy kraft paper or put in cartons during shipment. Protect installed laminated surfaces by approved means. Do not remove until immediately before final inspection.

3.4 CLEANING

- .1 Perform cleaning after installation to remove construction and accumulated environmental dirt.
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- 3.4 CLEANING .2 Perform care and cleaning with NEMA LD 3,
(Cont'd) Annex B.
- .3 Remove traces of primer, caulking, epoxy and
filler materials; clean doors and frames .