Part 1 General

1.1 RELATED SECTIONS	.1	Section 01 33 00 – Submittal Procedures
	.2	Section 01 35 43 – Environmental Procedures
	.3	Section 01 77 00 – Closeout Procedures
	.4	Section 01 78 00 – Closeout Submittals
	.5	Section 06 10 00 – Rough Carpentry
	.6	Section 06 20 00 – Finish Carpentry
1.2 REFERENCES	.1	AWMAC Quality Standard for Architectural Woodwork 2014
	.2	CSA O115-M1982, Hardwood and Decorative Plywood.
	.3	CAN/CSA O141-05 (R2009), Softwood Plywood
	.4	National Lumber Grades Authority (NGLA) Standard Grading Rules for Canadian Lumber 1991
	.5	National Hardwood Lumber Association (NHLA) Rules for the Measurement and Inspection of Hardwood and Cypress January 1986.
1.4 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 all materials, thicknesses, finishes and provide manufactured catalogue cuts for each piece of hardware.
	.4	Indicate locations of all service in casework, typical and special installation conditions, and all connections, attachments, anchorage and locations of exposed fastenings.
1.5 SAMPLES	.1	Submit samples in accordance with Section 01 33 00 – Submittal Procedures
	.2	Submit samples of product range for color selection by Consultant. Note: millwork finishes will only be selected once all relevant interior finish submittals/samples are received in order to coordinate interior finish palette.
	.3	Submit samples of casework doors and panels for joint, edging, cut-outs and post-formed profiles.
1.6 CLOSEOUT SUBMITTALS	.1	Provide a complete set of shop drawings for incorporation into maintenance manuals specified in Section 01 77 00 – Closeout Procedures and 01 78 00 – Closeout Submittals.
	.2	Provide maintenance data for millwork for incorporation into maintenance manuals specified in Section 01 78 00

– Closeout Submittals

1.7 DELIVERY, STORAGE AND HANDLING

.1 Protect millwork against dampness and damage during and after delivery.

.2 Securely store millwork in ventilated areas, protected from extreme changes of temperature or humidity

.3 Coordinate delivery of products in accordance with Project Schedule

1.8 WASTE MANAGEMENT AND DISPOSAL

.1 Separate and recycle waste materials for reuse and recycle in accordance with Section 01 35 43 – Environmental Procedures

Part 2 Products

2.1 MATERIALS

.1 Softwood lumber unless specified otherwise, S4S, moisture contents 15% or less in accordance with following standards:

1. CSA O141
2. NLGA Standard Grading Rules for Canadian Lumber
3. AWMAC custom grade, Moisture content as specified

.2 Machine stress-rated lumber is acceptable for all purposes.

.3 Hardwood lumber: moisture content 10% or less in accordance with following standards:

1. National Hardwood Lumber Association (NHLA).
2. AWMAC custom grade, moisture content as specified.

.4 Maple Plywood: to CSA 0115 of thickness indicated, rotary cut face veneer, Architectural grade, white maple species (unless indicated otherwise), sanded.

.1 For transparent stain or clear finish, use Book Marched veneer in the following Grades

.1 G/So grade for exposed both sides

.2 G1S grade for exposed one side

.5 Nails and staples: to CSA B111, Galvanized for interior humid areas.

.6 Wood Screws: Galvanized steel, type and size to suite application.

.7 Splines: wood as recommended by manufacturer.

2.2 MANUFACTURED UNITS

.1 Otentiks Cabinet (Quantity: 10 required – Refer to Electrical Drawing E2 – Site Plan, Loop B & H Electrical Cable Routing for locations of oTentiks):

.1 Cabinet Framing:
- 2" x 2" red or white pine, No.1 common.
- Framing Finish: all framing to be sealed with a minimum of 1 coat of Latex varathane to protect from moisture absorption.

.2 Cabinet Front:
- 19mm (3/4") plywood, white maple, Architectural Grade, GIS, rotary cut veneer
- Finish: Minimum three (3) coats of latex varethane - satin finish (G2)
- Plywood Edging: 19mm x 19mm (3/4" x 3/4") solid maple edging, all edges.

.3 Cabinet Ends – Removable
- 19mm (3/4") plywood, white maple, Architectural grade, GIS, rotary cut veneer.
- Trim / Edging: 19mm x 50mm (3/4" x 2") solid maple trim/edging, all edges
- Finish: Minimum three (3) coats of latex varathane – stain finish (G2)
- Removable panel screws: Internal hex flat head joint connector bolts, 40mm, nickel finish. By Richelieu (type JCB – BW), Hillman group, Fastenal, or approved alternate.

.4 Cabinet Back (Fixed)
- 19mm (3/4") plywood, white maple, Architectural grade, GIS, rotary cut veneer
- Edging: None
- Finish: Minimum three (3) coats of latex varathane – stain finish (G2)

.5 Cabinet Top (Fixed)
- 1295mm x 362mm x 38mm (51" x 14 ¼' x 1 ½"), solid clear maple, exposed end grain construction.
- Edge profile: Eased Square Edges
- Finish: Minimum three (3) coats of latex varathane – satin finish (G2)

2.3 FABRICATION

.1 Set nails and countersink screws apply wood filler to indentations, sand smooth and leave ready to receive finish.

.2 Provide cutouts for outlet, heater, and electrical panel. All cutouts shall be sealed with three (3) coats of varathane – satin (G2)

.3 Shop-assemble work for delivery to site in size easily handled and to ensure passage through building opening.

.4 Obtain governing dimensions of equipment before fabricating cabinet.

2.4 LOW EMMITING MATERIALS

.1 All applied coating and adhesives must conform to low-emission requirements

.2 Submit MSDS and/or product data for all products and materials of these types incorporated into the construction of the project as per Section 01 33 00 – Submittal Procedures.

Part 3 Execution

3.1 INSTALLATION

.1 Do Architectural woodwork to Quality Standards of the Architectural Woodwork Manufacturers Association of Canada (AWMAC), unless specified otherwise

.2 Install prefinished millwork at locations as directed by Department Representative. Position accurately, level, plumb straight.

.3 Fasten and anchor millwork securely

.4 Vacuum clean all cavities after final placement of millwork and installation of mechanical and electrical equipment.

3.2 CLEANING

.1 Clean cabinet post installation and after equipment installation into cabinet.

3.3 PROTECTION

.1 Protect cabinet from damage until final inspection

.2 Protect installed wood countertop by approved means. Do not remove until immediately before final review.