SECTION 08 32 13

ALUMINUM PATIO DOORS

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\*\* NOTE TO SPECIFIER \*\* Novatech Group; aluminum patio doors.
This section is based on the products of Novatech Group, which is located at:160 MuranoSainte-Julie, QC, Canada J3E 0C6Tel: 450-922-6106Fax: 450-922-9633Email: [request info (marketing@groupenovatech.com)](https://arcat.com/rfi?action=email&company=Novatech%252BGroup&message=RE%253A%2520Spec%2520Question%2520(08162sun)%253A%2520&coid=51586&spec=08162sun&rep=&fax=450-922-9633)
Web: <https://www.groupenovatech.com>
 [ [Click Here](https://arcat.com/company/novatech-group-51586) ] for additional information.
In mid-December 2021, Sunview Patio Doors was acquired by the Novatech Group.
The Novatech Group manufactures entrance doors, door glass, patio doors, retractable screens, and custom sealed glass. We offer patio doors well-known for the quality of their assembly. Whether your project demands PVC, aluminum, hybrid, or other types of patio doors, we have a wide range of architectural and residential products to choose from. The Novatech Group's development encompasses the pursuit of excellence, automation, and innovation at all levels of the company.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Aluminum Patio Doors:
			1. 1200 Series.
			2. 2900 Series.
		2. Hybrid Aluminum/Vinyl Patio Doors: 2900 Hybrid Series.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 06 10 00 - Rough Carpentry.
		2. Section 08 15 73 - Sliding Plastic Doors.
		3. Section 08 35 13.13 - Accordion Folding Doors.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. AAMA/WDMA/CSA 101/I.S.2/A440 - NAFS - North American Fenestration Standard/Specification for windows, doors and skylights.
		2. U.S. Department of Energy - Energy Star Windows Program.
		3. National Resources Canada - Energy Star Windows Program.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data:
			1. Manufacturer's data sheets on each product to be used.
			2. Preparation instructions and recommendations.
			3. Storage and handling requirements and recommendations.
			4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.
		3. Shop Drawings: Include elevations of each opening and details of materials, construction, and finish. Include relationship with adjacent construction.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
		2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
		3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project. Delete if not required.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
			1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
			2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
			3. Retain mock-up during construction as a standard for comparison with completed work.
			4. Do not alter or remove mock-up until work is completed or removal is authorized.
	1. PRE-INSTALLATION CONFERENCE
		1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
	2. DELIVERY, STORAGE, AND HANDLING
		1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
		2. Protect from damage due to weather, excessive temperature, and construction operations.
	3. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	4. SEQUENCING
		1. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
	5. WARRANTY
		1. Manufacturer's Warranty: Provide manufacturer's standard limited warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Novatech Group, which is located at:160 MuranoSainte-Julie, QC, Canada J3E 0C6Tel: 450-922-6106Fax: 450-922-9633Email: [request info (marketing@groupenovatech.com)](https://arcat.com/rfi?action=email&company=Novatech%252BGroup&message=RE%253A%2520Spec%2520Question%2520(08162sun)%253A%2520&coid=51586&spec=08162sun&rep=&fax=450-922-9633);Web: <https://www.groupenovatech.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. ALUMINUM PATIO DOORS

\*\* NOTE TO SPECIFIER \*\* The Sunview Aluminum 1200 Series, the most advanced and flexible aluminum patio door in today's aesthetically demanding market, is perfect for architectural specification, as its possibilities for customization are extensive. Whether it's colour, sill finishes, glass, or hardware, the 1200 Series offers the most flexibility to answer any building need. Delete if not required.

* + 1. Basis of Design: Thermal Control Sliding Patio Door, 1200 Aluminum Series; as manufactured by Novatech Patio Doors Ontario Inc.
			1. Performance and Design Requirements:

\*\* NOTE TO SPECIFIER \*\* First three subparagraphs below are available for 2-3/8 sill height. Fourth and fifth subparagraph below are available for 3-1/2 inch sill height. Delete class options not required.

* + - * 1. AAMA/WDMA/CSA 101/1.S.2/A440: Meets NAFS/Class R-PG55.
				2. AAMA/WDMA/CSA 101/1.S.2/A440: Meets NAFS/Class LC-PG50.
				3. AAMA/WDMA/CSA 101/1.S.2/A440: Meets NAFS/Class LC-PG55.
				4. AAMA/WDMA/CSA 101/1.S.2/A440: Meets NAFS/Class CW-PG50.
				5. AAMA/WDMA/CSA 101/1.S.2/A440: Meets NAFS/Class AW-PG50.
			1. Narrow sight lines to maximize view.
			2. Thermal Barrier: Double structural thermal barriers in framing sections to minimize heat flow and condensation, eliminating thermal bridging inherent in single barriers.
			3. Configuration:
				1. Door/Panel: OX-Slide Left.
				2. Door/Panel: XO-Slide Right.
				3. Door/Panel: OXO-Slide Right to Left.
				4. Door/Panel: OZO-Slide Left to Right.
				5. Door/Panel: OOX-Slide Left.
				6. Door/Panel: XOO-Slide Right.
				7. Door/Panel: OXXO-Slide Right and Slide Left from Center.
				8. Transom: As indicated on Drawings.
				9. Transom: \_\_\_\_\_.
				10. Sidelight: As indicated on Drawings.
				11. Sidelight: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete insulating glass options not required.

* + - 1. Insulating Glass: One inch (25 mm), clear, tempered, sealed, insulating glass.
			2. Insulating Glass: One inch (25 mm), argon-filled, Low-E coated, tempered, sealed, insulating glass.
			3. Insulating Glass: One inch (25 mm), tinted, tempered, sealed, insulating glass.
			4. Insulating Glass: One inch (25 mm), reflective, tempered, sealed, insulating glass.
			5. Weather Stripping: Full perimeter double fin-seal weather stripping.
			6. Hardware:

\*\* NOTE TO SPECIFIER \*\* Delete hardware not required.

* + - * 1. Fully adjustable lock set handles.
				2. Security bars.
				3. Keyed lock.
				4. Position locks.
				5. Rollers: Adjustable tandem steel ball bearing rollers.
				6. Rollers: Adjustable tandem stainless-steel rollers.

\*\* NOTE TO SPECIFIER \*\* Delete sill heights not required.

* + - 1. Sill Height: 2-3/8 inches (60 mm).
			2. Sill Height: 3-1/2 inches (89 mm).
			3. Sill Height: 3-3/4 inches (95 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Sill Finish: Painted with stainless steel tracks, color \_\_\_\_\_.
			2. Sill Finish: Anodized with stainless steel tracks.
			3. Sill Finish: Mill finished aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Exterior Finish: White baked enamel.
			2. Exterior Finish: Dark bronze baked enamel.
			3. Exterior Finish: Baked enamel, color \_\_\_\_\_.
			4. Exterior Finish: Fluorocarbon, color \_\_\_\_\_.
			5. Exterior Finish: Natural anodized.
			6. Exterior Finish: Anodized, color \_\_\_\_\_.
			7. Exterior Finish: High performance finish, color \_\_\_\_\_.
			8. Interior Finish: Same as exterior.
			9. Interior Finish: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* The innovative 2900 Aluminum Series Patio Door offers superior thermal and structural advantages. It provides a level of performance unparalleled in aluminum sliding doors. Enjoy lower maintenance with Sunview engineered quality, styling, and beauty - plus, enhanced insulation for energy and economy in cold weather. Aluminum doors also play a vital role in controlling temperatures in the summer. Choose the 2900 Aluminum Series Thermal Patio Door for strength and lasting value, with improved thermal technology and the ultimate in flexible configurations. Delete if not required.

* + 1. Basis of Design: Thermal Control Sliding Patio Door, 1200 Aluminum Series; as manufactured by Novatech Patio Doors Ontario Inc.
			1. Performance and Design Requirements.
				1. AAMA/WDMA/CSA 101/1.S.2/A440: Meets NAFS/Class CW-PG40.
				2. Energy Star: Zone 2 rating in Canada.
				3. Water Resistance: 15.2 psf (730 Pa).
			2. Thermal Break: Polyamide strut, meeting rail offset, double thermal break system.
			3. Heavy duty tubular meeting rails.
			4. Configuration:
				1. Door/Panel: OX-Slide Left.
				2. Door/Panel: XO-Slide Right.
				3. Door/Panel: OXO-Slide Right to Left.
				4. Door/Panel: OZO-Slide Left to Right.
				5. Door/Panel: OOX-Slide Left.
				6. Door/Panel: XOO-Slide Right.
				7. Door/Panel: OXXO-Slide Right and Slide Left from Centre.
				8. Transom: As indicated on Drawings.
				9. Transom: \_\_\_\_\_.
				10. Sidelight: As indicated on Drawings.
				11. Sidelight: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete insulating glass options not required.

* + - 1. Insulating Glass: One inch (25 mm), clear, tempered, sealed, insulating glass.
			2. Insulating Glass: 1-3/8 inch (35 mm), argon-filled, Low-E coated, tempered, sealed, insulating glass.
			3. Insulating Glass: One inch (25 mm), tinted, tempered, sealed, insulating glass.
			4. Insulating Glass: One inch (25 mm), reflective, tempered, sealed, insulating glass.
			5. Weather Stripping: Full perimeter double fin-seal weather stripping.
			6. Weep Hole Cover: Prevents insects and dirt from getting in.
			7. Hardware:

\*\* NOTE TO SPECIFIER \*\* Delete hardware not required.

* + - * 1. Handle set with single-point lock.
				2. Handle set with heavy duty, multi-point key lock.
				3. Handle Set Finish: White.
				4. Handle Set Finish: Black.
				5. Handle Set Finish: Brass.
				6. Handle Set Finish: Black Nickel.
				7. Handle Set Finish: Satin Nickel.
				8. Handle Set Finish: Bright Chrome.
				9. Rollers: Precision adjustable rollers.
			1. Pressure equalized sill design.

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Finish: To be selected by Architect.
			2. Finish: As indicated on Drawings.
			3. Finish: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. HYBRID ALUMINUM/VINYL PATIO DOORS

\*\* NOTE TO SPECIFIER \*\* The innovative 2900 Hybrid Series Patio Door offers superior thermal and structural advantages. It provides a level of performance unparalleled in sliding doors. Enjoy lower maintenance with Sunview engineered quality, styling, and beauty - plus, enhanced insulation for energy and economy in cold weather. Aluminum doors also play a vital role in controlling temperatures in the summer. Choose the 2900 Hybrid Series Door for strength and lasting value, with improved thermal technology and the ultimate in flexible configurations.

* + 1. Basis of Design: Thermal Control Sliding Patio Door, 1200 Aluminum Series; as manufactured by Novatech Patio Doors Ontario Inc.
			1. Performance and Design Requirements:
				1. AAMA/WDMA/CSA 101/1.S.2/A440: Meets NAFS/Class R-PG80 Type SD.
				2. Energy Star: Zone 1 and 2 rating.
				3. Water Resistance: 610 Pa (12.7 psf).
			2. Exterior Material: Aluminum.
			3. Interior Material: Vinyl.
			4. Narrow sight lines to maximize view.
			5. Frame Depth: 5-7/8 inches (149 mm).
			6. Elegant heavy-duty screen.
			7. Configuration:
				1. Door/Panel: OX-Slide Left.
				2. Door/Panel: XO-Slide Right.
				3. Door/Panel: OXO-Slide Right to Left.
				4. Door/Panel: OZO-Slide Left to Right.
				5. Door/Panel: OOX-Slide Left.
				6. Door/Panel: XOO-Slide Right.
				7. Door/Panel: OXXO-Slide Right and Slide Left from Centre.
				8. Transom: As indicated on Drawings.
				9. Transom: \_\_\_\_\_.
				10. Sidelight: As indicated on Drawings.
				11. Sidelight: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete insulating glass options not required.

* + - 1. Insulating Glass: One inch (25 mm), clear, tempered, sealed, insulating glass.
			2. Insulating Glass: 1-3/8 inch (35 mm), argon-filled, Low-E coated, tempered, sealed, insulating glass.
			3. Insulating Glass: One inch (25 mm), tinted, tempered, sealed, insulating glass.
			4. Insulating Glass: One inch (25 mm), reflective, tempered, sealed, insulating glass.
			5. Weather Stripping: Double weather strip on meeting rails.
			6. Weep Hole Cover: Prevents insects and dirt from getting in.
			7. Hardware:

\*\* NOTE TO SPECIFIER \*\* Delete hardware not required.

* + - * 1. Handle set with single-point lock.
				2. Handle set with heavy duty, multi-point key lock.
				3. Handle Set Finish: White.
				4. Handle Set Finish: Black.
				5. Handle Set Finish: Brass.
				6. Handle Set Finish: Black Nickel.
				7. Handle Set Finish: Satin Nickel.
				8. Handle Set Finish: Bright Chrome.
				9. Two position kick locks.
				10. Guardian locks.
				11. Folding security bars.
				12. Rollers: Whisper quiet rollers.

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Finish: To be selected by Architect.
			2. Finish: As indicated on Drawings.
			3. Finish: \_\_\_\_\_.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly constructed and prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions, approved submittals and in proper relationship with adjacent construction.
	4. CLEANING AND PROTECTION
		1. Clean products in accordance with the manufacturers recommendations.
		2. Protect installed products until completion of project.
		3. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION