**HOW TO SPECIFY**

**Models 6200(-O), 6250(-O)**

**PATTERN CEILING DIFFUSERS • ALUMINUM CONSTRUCTION**

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| **SUGGESTED SPECIFICATION:**  Furnish and install **Nailor** (select one) **Model 6200 or 6250** (aluminum) **Pattern Ceiling Diffusers** of the sizes and capacities as shown on the plans and air distribution schedules. Model 6200 shall incorporate fixed pattern discharge louvers for a horizontal throw pattern. Model 6250 shall incorporate fixed pattern discharge louvers and adjustable vanes for a vertical or horizontal throw pattern. If an extended panel is required; the material shall be constructed of heavy gauge, corrosion-resistant steel (aluminum is optional). The entire core assembly shall be removable without the use of tools. The directional pattern shall be supplied as a 4, 3, 2 or 1-way discharge pattern as specified. The core is to be interchangeable with all other frame styles of equal size. The square or rectangular duct connection collar shall be an integral part of the frame assembly. The finish shall be AW Appliance White (optional finishes are available).  (Optional) An opposed blade damper constructed of heavy gauge corrosion-resistant steel (aluminum is optional) shall be provided with all units.  The manufacturer shall provide published performance data for the diffuser, which shall be tested in accordance with ANSI/ASHRAE  Standard 70-2006. |

**Models 6200IV(-O)**

**INDUCTION VANE PATTERN CEILING DIFFUSERS • ALUMINUM CONSTRUCTION**

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| **SUGGESTED SPECIFICATION:**  Furnish and install **Nailor Model 6200IV** (aluminum) **Induction Vane Pattern Ceiling Diffusers** of the sizes and capacities as shown on the plans and air distribution schedules. The core assembly shall have a fixed pattern for horizontal throw and shall include induction vanes for rapid mixing of supply air with room air. If an extended panel is required; the material shall be constructed of heavy gauge, corrosion- resistant steel (aluminum is optional). The entire core assembly shall be removable without the use of tools. The directional pattern shall be supplied as a 4, 3, 2 or 1-way discharge pattern as specified. The core is to be interchangeable with all other frame styles of equal size. The square or rectangular duct connection collar shall be an integral part of the frame assembly. The finish shall be AW Appliance White (optional finishes are available).  (Optional) An opposed blade damper constructed of heavy gauge corrosion-resistant steel (aluminum is optional) shall be provided with all units. The manufacturer shall provide published performance data for the diffuser, which shall be tested in accordance with ANSI/ASHRAE Standard 70-2006. |

**Models 6200-MRI**

**INDUCTION VANE PATTERN CEILING DIFFUSERS • 100% ALUMINUM CONSTRUCTION**

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| **SUGGESTED SPECIFICATION:**  Furnish and install **Nailor Model 6200-MRI** (aluminum) **Pattern Ceiling Diffusers** of the sizes and capacities as shown on the plans and air distribution schedules. Model 6200-MRI shall incorporate fixed pattern discharge louvers for a horizontal throw pattern. The core assembly shall be fixed and is non-removable. The directional pattern shall be supplied as a 4, 3, 2 or 1-way discharge pattern as specified. The square or rectangular duct connection collar shall be an integral part of the frame assembly. The finish shall be AW Appliance White (optional finishes are available).  The manufacturer shall provide published performance data for the diffuser, which shall be tested in accordance with ANSI/ASHRAE  Standard 70-2006. |

**Model 6400(-O)**

**HIGH CAPACITY PATTERN CEILING DIFFUSERS**

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| **SUGGESTED SPECIFICATION:**  Furnish and install **Nailor Model 6400** (aluminum) **High Capacity Pattern Ceiling Diffusers** of the sizes and capacities as shown on the plans and air distribution schedules. The units shall be constructed from extruded aluminum with miscellaneous steel components. Blades and frame shall have reinforced staked mitered corners for high quality appearance and function. Diffusers shall consist of an outer frame assembly to suit any application shown, which includes an integral collar for connection to the square or rectangular duct size indicated. If an extended panel is required; the material shall be constructed of heavy gauge, corrosion-resistant steel (aluminum is optional). A square to round transition collar shall be supplied where indicated to facilitate attachment of round duct.  An inner core assembly consisting of fixed deflection louvers capable of producing the airflow discharge indicated on the plans shall be securely held in place by a spring loaded mechanism without the need for visible screws. The core shall be fully removable in the field without the use of tools for the purpose of installation, cleaning or damper adjustment.  The finish shall be AW Appliance White (optional finishes are available).  (Optional) An opposed blade damper constructed of heavy gauge corrosion-resistant steel (aluminum is optional) shall be provided with all units. The manufacturer shall provide published performance data for the diffuser, which shall be tested in accordance with ANSI/ASHRAE Standard 70-2006. |

**Model 6400IV(-O)**

**HIGH CAPACITY INDUCTION VANE PATTERN CEILING DIFFUSERS**

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| **SUGGESTED SPECIFICATION:**  Furnish and install **Nailor Model 6400IV** (aluminum) **High Capacity Induction Vane Pattern Ceiling Diffusers** of the sizes and capacities as shown on the plans and air distribution schedules. Diffusers shall be designed for optimum performance in both heating and cooling applications. The diffusers shall be constructed from extruded aluminum with miscellaneous steel components. Blades and frame shall have reinforced staked mitered corners for high quality appearance and function. Diffusers shall consist of an outer frame assembly to suit any application shown, which includes an integral collar for connection to the square or rectangular duct size indicated. If an extended panel is required; the material shall be constructed of heavy gauge, corrosion-resistant steel (aluminum is optional). A square to round transition collar shall be supplied where indicated to facilitate attachment of round duct.  An inner core assembly consisting of fixed deflection louvers on 1 1/2" (38) centers, capable of producing either a 4, 3, 2 or 1-way horizontal airflow discharge pattern as indicated on the plans shall be securely held in place by a spring loaded mechanism without the need for visible screws. The deflection angle of each louver shall be constant (diffuser designs with a horizontal lip at the point of discharge are not acceptable). Aluminum induction vanes on 1 1/2" (38) centers shall be mounted in extrusion slots and welded to the rear of each louver of the inner core. The vanes shall be orientated at 45° in opposite direction on alternating louvers to promote rapid temperature equalization and ensure high induction and rapid mixing of the primary and room air. The core shall be fully removable in the field without the use of tools for the purpose of installation, cleaning or damper adjustment. Diffuser finish shall be AW Appliance White (optional finishes are available).  (Optional) An opposed blade damper constructed of heavy gauge corrosion-resistant steel (aluminum is optional) shall be provided with all units. The manufacturer shall provide published performance data for the diffuser, which shall be tested in accordance with ANSI/ASHRAE Standard 70-2006. |