**HOW TO SPECIFY**

**Models 4320, 4325**

**STEEL PERFORATED DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320 Flush Face or 4325 Drop Face, Perforated Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped corrosion-resistant steel backpan with a round or square neck as specified. A corrosion-resistant steel perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted on the rear of the perforated face shall be four individually stamped square pattern deflectors that are easily field adjusted to provide throws in a 1, 2, 3, or 4-way pattern. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4320A, 4325A**

**ALUMINUM FACE PERFORATED DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320A Flush Face or 4325A Drop Face, Perforated Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped corrosion-resistant steel backpan with a round or square neck as specified. An aluminum perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted on the rear of the perforated face shall be four individually stamped square pattern deflectors that are easily field adjusted to provide throws in a 1, 2, 3, or 4-way pattern. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4320AA, 4325AA**

**ALUMINUM PERFORATED DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320AA Flush Face or 4325AA Drop Face, Perforated Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped aluminum backpan with a round or square neck as specified. An aluminum perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted on the rear of the perforated face shall be four individually stamped square pattern deflectors that are easily field adjusted to provide throws in a 1, 2, 3, or 4-way pattern. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4320CB, 4325CB**

**STEEL PERFORATED CURVED BLADE CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320CB Flush Face or 4325CB Drop Face, Perforated Supply Curved Blade Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped corrosion-resistant steel backpan with a round or square neck as specified. A corrosion-resistant steel perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted on the neck of the diffuser shall be a factory installed curved blade pack with individually adjustable blades configured for a 4-way (standard) throw. (Optional) Factory installed 3, 2 or 1-way (select one) pattern to be supplied. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4320CBA, 4325CBA**

**ALUMINUM FACE PERFORATED CURVED BLADE CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320CBA Flush Face or 4325CBA Drop Face, Perforated Supply Curved Blade Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped corrosion-resistant steel backpan with a round or square neck as specified. An aluminum perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted on the neck of the diffuser shall be a factory installed curved blade pack with individually adjustable blades configured for a 4-way (standard) throw. (Optional) Factory installed 3, 2 or 1-way (select one) pattern to be supplied. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4320CBA, 4325CBA**

**ALUMINUM PERFORATED CURVED BLADE CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320CBAA Flush Face or 4325CBAA Drop Face, Perforated Supply Curved Blade Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a stamped aluminum backpan with a round or square neck as specified. An aluminum perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted on the neck of the diffuser shall be a factory installed curved blade pack with individually adjustable blades configured for a 4-way (standard) throw. (Optional) Factory installed 3, 2 or 1-way (select one) pattern to be supplied. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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 4340CB**

**PERFORATED FULL FACE CURVED BLADE SUPPLY CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4340CB (aluminum with corrosion-resistant steel face) or 4340CBA (aluminum) Perforated Full Face Curved Blade Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a mechanically interlocked extruded aluminum frame with hairline mitered corners. An extruded aluminum blade pack with individually adjustable curved blades on 1" (25) centers shall be sized according to the square neck size as specified. The diffuser shall have a 4-way (standard), 3-way, 2-way, 1-way (select one) discharge pattern. A perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The diffuser shall be fastened through the neck with sheet metal screws. The finish shall be AW Appliance White baked enamel (optional finishes are available). (Optional) An opposed blade damper, constructed of heavy gauge corrosion-resistant steel, and operable from the face of the diffuser, 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 4320F, 4325F**

**STEEL PERFORATED FIXED PATTERN CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320F Flush Face or 4325F Drop Face, Adjustable Pattern Perforated Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped corrosion-resistant steel backpan with a high neck collar that is round or square as specified. A corrosion- resistant steel perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted at the neck of the diffuser shall be factory set 4-way stamped curved vane deflectors that can be field adjusted to a 1, 2, or 3 way discharge pattern (as specified). The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning, adjusting the discharge pattern and adjusting the optional damper if required.The manufacturer shall provide published performance data for the diffuser, which shall be tested in accordance with ANSI/ASHRAE Standard 70 – 2006. |

**Models 4320M, 4325M**

**STEEL PERFORATED MODULAR CORE SQUARE NECK CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320M Flush Face or 4325M Drop Face, Perforated Modular Core Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped corrosion-resistant steel backpan with an integral square neck collar. A corrosion-resistant steel perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted in the neck of the diffuser shall be four square modular pattern deflectors factory installed in a 4-way pattern, that are easily field rotated to provide throws in 1, 2, or 3-way patterns. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4320MA, 4325MA**

**ALUMINUM FACE PERFORATED MODULAR CORE SQUARE NECK CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320MA Flush Face or 4325MA Drop Face, Perforated Modular Core Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped corrosion-resistant steel backpan with an integral square neck collar. An aluminum perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted in the neck of the diffuser shall befour square modular pattern deflectors factory installed in a 4-way pattern, that are easily field rotated to provide throws in 1, 2, or 3-way patterns. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4320MR, 4325MR**

**STEEL PERFORATED MODULAR CORE ROUND NECK CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320MR Flush Face or 4325MR Drop Face, Perforated Modular Core Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped, corrosion-resistant steel, low profile backpan with an integral round neck. A corrosion-resistant steel perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted below the neck of the diffuser shall be four square modular pattern deflectors, factory installed in a 4-way pattern, that are easily field rotated to provide throws in 1, 2, or 3-way patterns. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and rotating the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4320MRA, 4325MRA**

**STEEL PERFORATED MODULAR CORE ROUND NECK CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4320MRA Flush Face or 4325MRA Drop Face, Perforated Modular Core Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a heavy gauge, stamped, corrosion-resistant steel, low profile backpan with an integral round neck. An aluminum perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted below the neck of the diffuser shall be four square modular pattern deflectors, factory installed in a 4-way pattern, that are easily field rotated to provide throws in 1, 2, or 3-way patterns. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and rotating the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4340M and 4340MA**

**PERFORATED FULL FACE MODULAR CORE CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4340M (corrosion-resistant steel with aluminum frame) or 4340MA (aluminum frame and face) Full Face Square Neck Perforated Supply Modular Core Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a mechanically interlocked extruded aluminum frame with hairline mitered corners. Mounted in the diffuser shall be four, corrosion-resistant steel, square modular pattern deflectors installed in a 4-way pattern, that are easily field rotated to provide throws in 1, 2, or 3-way patterns. The modular core shall be sized according to the square neck size as specified. The perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. The face shall be removable, hinged and include quick-release spring latches allowing easy access for cleaning and rotating the deflectors (or optional damper). The diffuser shall be fastened through the neck with sheet metal screws (supplied by the installing contractor). The finish shall be AW Appliance White baked enamel (optional finishes are available). (Optional) An opposed blade damper, constructed of heavy gauge corrosion-resistant steel, and operable from the face of the diffuser, 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 4330 and 4330A**

**PREMIUM PERFORATED CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4330 (corrosion-resistant steel face) or 4330A (aluminum face) Premium Architectural Perforated Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a corrosion-resistant steel backpan with a round or square neck as specified, and an extruded aluminum border/frame that encapsulates the perforated face. The perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted on the rear of the perforated face shall be four individually stamped, square pattern deflectors that are easily field rotated to provide throws in 1, 2, 3 or 4-way patterns. The face shall include spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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. |

**Models 4330CB and 4330CBA**

**PREMIUM PERFORATED CURVED BLADE CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model (select one) 4330CB (corrosion-resistant steel face) or 4330CBA (aluminum face) Premium Architectural Perforated Supply Curved Blade Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a corrosion-resistant steel backpan with a round or square neck as specified, and an extruded aluminum border/frame that encapsulates the perforated face. The perforated face shall have 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area. Mounted on the neck of the diffuser shall be a factory installed curved blade pack with individually adjustable blades configured for a 4-way (standard) throw. (Optional) Factory installed 3, 2, or 1-way (select one) pattern to be supplied. The face shall include spring latches allowing easy access for cleaning and adjusting the deflectors (or optional damper). The finish shall be AW Appliance White baked enamel (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 4310A**

**ALL ALUMINUM PERFORATED SUPPLY CEILING DIFFUSERS**

|  |
| --- |
| **SUGGESTED SPECIFICATION:**Furnish and install Nailor Model 4310A All Aluminum Perforated Supply Ceiling Diffusers of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser shall have a die-formed aluminum backpan with an integral round neck. An aluminum perforated face with 3/16" (5) dia. holes on 1/4" (6) staggered centers, providing 51% free area, shall wrap around the backpan. A round stamped aluminum disc deflector shall be mounted on the perforated face. The finish shall be AW Appliance White baked enamel (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. |