



54 Audia Court, Unit 2  
Concord, ON L4K 3N5  
(905)-738-1400

## Submittal 25-030-002

| PROJECT NAME                                                                                                                                                   | PROJECT ADDRESS                                                                                                                                                  | DATE SUBMITTED |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| SDM 803, 1500 AVE. RD 25-030                                                                                                                                   | 1500 Avenue Rd, Toronto, ON M5M 3X2                                                                                                                              | May 23, 2025   |
| TO<br>Nick Cvik<br>COMPANY<br>FLUID CONSTRUCTION & PROJECT MANAGEMENT<br>EMAIL<br>nick@fluidconstruction.ca<br>ADDRESS<br>2800 JOHN ST #23 MARKHAM, ON L3R 0E2 | FROM<br>INZAMAN KHAN<br>COMPANY<br>Consult Mechanical Inc.<br>EMAIL<br>inzaman@consultmechanical.com<br>ADDRESS<br>54 Audia Court, Unit 2<br>Concord, ON L4K 3N5 |                |

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### Title

HVAC shops

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### Description

S-1 2 qty  
S-2 1 qty  
R-1 2 qty

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### Package Items

| SPEC | SUBSECTION | ITEM | TYPE          |
|------|------------|------|---------------|
|      | HVAC       | GRDs | Shop Drawings |

# Grilles/Registers/Diffusers Submittals

**Job Name:** SDM 803, 1500 AVE RD

**Date Printed:** 5/22/2025

**Spec Section:** 15 - HVAC

**Contact:** 571 Chrislea Rd., Unit 3  
Woodbridge, ON L4L 8A2

**All-In-One**  
**Detailed Submittal Schedule**  
**Grilles/Registers/Diffusers**

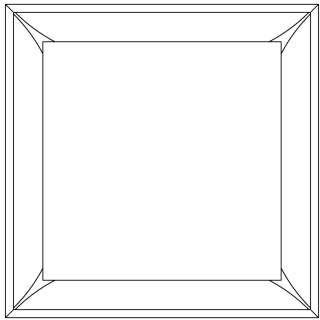
| #                                                      | Qty | Model | Tag | Unit Sz.      | Inlet Sz. | Border | Face Sz. | Accessories |
|--------------------------------------------------------|-----|-------|-----|---------------|-----------|--------|----------|-------------|
| 1                                                      | 2   | SPD   | S-1 | 6             | 6         | 31     | 24, 24   |             |
| 31 - 15/16" T-Bar Lay-In or Surface Mount Application  |     |       |     |               |           |        |          |             |
| 2                                                      | 1   | SPD   | S-2 | 8             | 8         | 31     | 24, 24   |             |
| 31 - 15/16" T-Bar Lay-In or Surface Mount Application  |     |       |     |               |           |        |          |             |
| 3                                                      | 2   | 80    | R-1 | 24.000, 6.000 |           | F      |          | SW          |
| F - 1 1/4" (32) Flat Frame   SW - Sidewall Application |     |       |     |               |           |        |          |             |

## Performance Notes

Date Printed: 5/22/2025

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
2. Throw data is based on the temperature differential (Dt), in degrees Fahrenheit (°F), between supply air temperature and room temperature.
3. Throw values, in feet (ft), are provided at terminal air velocities of 150 fpm, 100 fpm, and 50 fpm for supply applications.
4. The NC, sound pressure level, is based on a room absorption of 10dB re  $10^{-12}$  Watts in each octave band.
5. Blanks (--) indicate an NC level below 15.
6. Air flow is in cubic feet per minute (cfm).
7. Static pressure (Ps), velocity pressure (Pv), and total pressure (Pt) are in inches of water (in. w.g.).

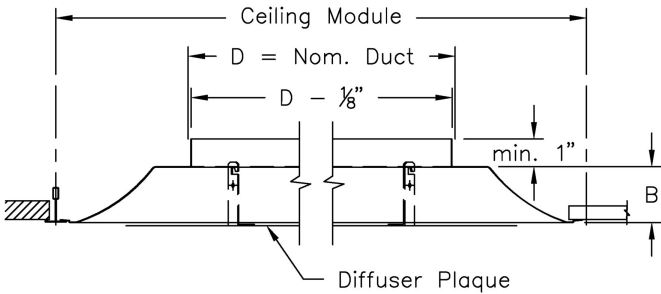
SPD Square Plaque Diffuser



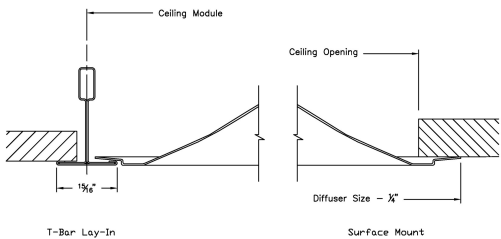
- Duct Diameter: 6"
- Backpan Height (B): 2 1/2"
- Ceiling Module: 24" x24"
- Ceiling Opening: 22" x 22"
- (Surface Mount App)

Border: 31

15/16" T-Bar Lay-In or Surface Mount Application



Frame Detail:



Notes:

- 360° radial horizontal air pattern
- Removable face panel
- For 9/16" flat tee installation with style 31 frame, cross-tees must be firmly secured. Locking any unopposed cross tees to the main beam with clips such as Armstrong STAC is recommended. Corner clips from ceiling suppliers may also be used, or order 916 clip in GRD-PARTS (confirming fit with ceiling on site is recommended).
- Integral hanger loops
- Factory tolerance +/- 1/32"



Scan for link to additional product information

Material:

- Diffuser: Steel

Finish:

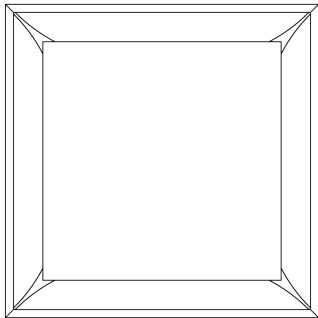
- B12 - Standard White

PROJECT: SDM 803, 1500 AVE RD  
ENGINEER:  
DESCRIPTION: Square Plaque Diffuser  
SPD-1-2//1/6//24/24/31/////B12

SUBMITTAL NO: 258503-F  
CUSTOMER:

SUBMITTAL DATE: 5/22/2025

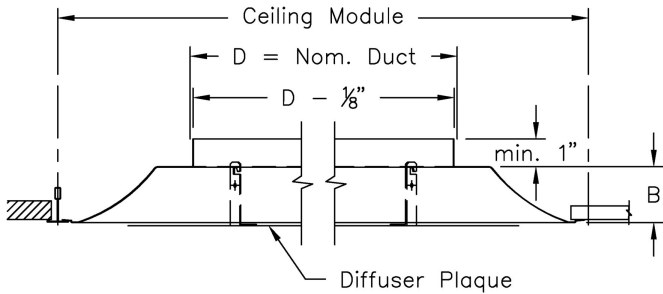
SPD Square Plaque Diffuser



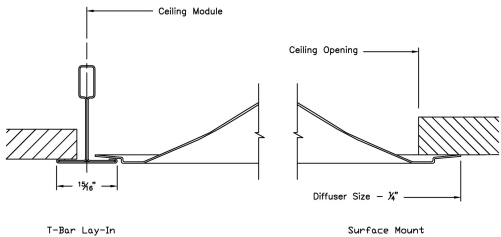
Duct Diameter: 8"  
Backpan Height (B): 2 1/2"  
Ceiling Module: 24" x24"  
Ceiling Opening:  
(Surface Mount App) 22" x 22"

Border: 31

15/16" T-Bar Lay-In or Surface Mount Application



Frame Detail:



Notes:

- 360° radial horizontal air pattern
- Removable face panel
- For 9/16" flat tee installation with style 31 frame, cross-tees must be firmly secured. Locking any unopposed cross tees to the main beam with clips such as Armstrong STAC is recommended. Corner clips from ceiling suppliers may also be used, or order 916 clip in GRD-PARTS (confirming fit with ceiling on site is recommended).
- Integral hanger loops
- Factory tolerance +/- 1/32"



Scan for link to additional product information

Material:

- Diffuser: Steel

Finish:

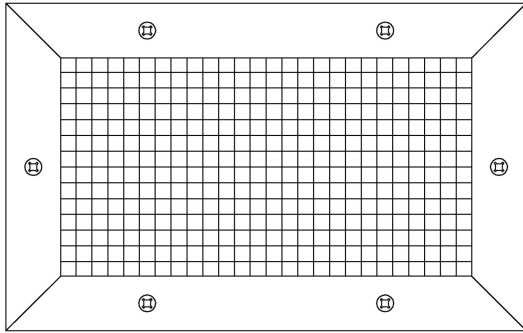
- B12 - Standard White

PROJECT: SDM 803, 1500 AVE RD  
ENGINEER:  
DESCRIPTION: Square Plaque Diffuser  
SPD-1-2//1/8//24/24/31/////B12

SUBMITTAL NO: 258503-F  
CUSTOMER:

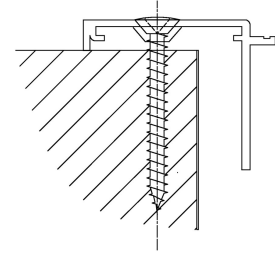
SUBMITTAL DATE: 5/22/2025

**80 Egg Crate Grille – 1/2" x 1/2" x 1/2" Core**



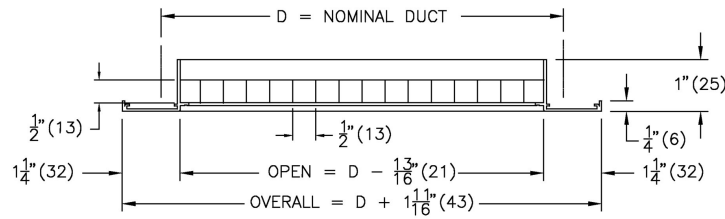
**Fastening:** A

Countersunk Screw Holes



**Border:** F

1 1/4" (32) Flat Frame



**Material:**

- Grille - Aluminum construction

**Finish:**

- B12 - Standard White

**Notes:**

- 1/2" x 1/2" x 1/2" aluminum grid core
- Minimum duct size = 6" x 4" (152mm x 102mm)
- Maximum duct size without mullion = 48" x 24" (1219mm x 610mm)
- Maximum duct size with mullion = 96" x 48" (2438mm x 1219mm)
- Units with mullion supplied in one-piece frame construction
- Units over 96" x 48" (2438mm x 1219mm) supplied in sections c/w Duct Mounting Channel
- Factory tolerance  $\pm 1/32"$  (1mm)

**PROJECT:** SDM 803, 1500 AVE RD

**ENGINEER:**

**DESCRIPTION:** Egg Crate Grille, 1/2" X 1/2" X 1/2"

80//I/24.000/6.000//SW/F////////A////////B12

**SUBMITTAL NO:** 259683-E

**CUSTOMER:**

**SUBMITTAL DATE:** 5/22/2025