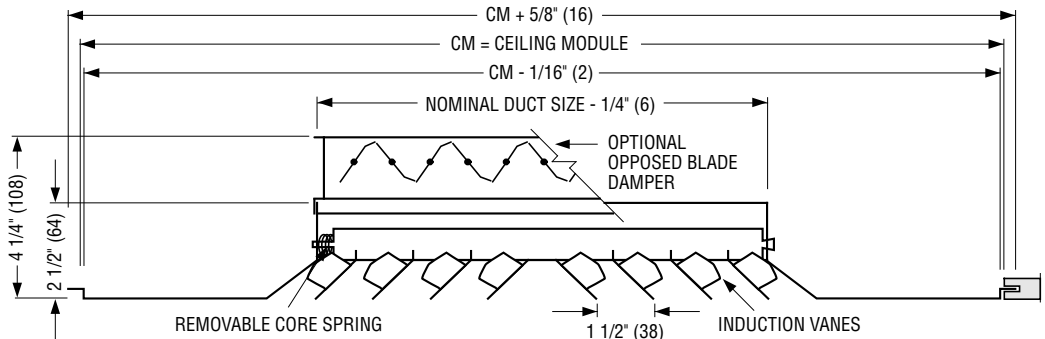
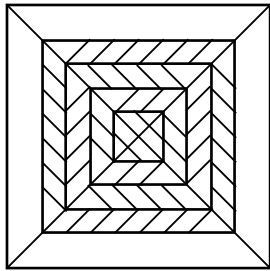




**PATTERN CEILING DIFFUSERS
WITH IV INDUCTION VANES**
ALUMINUM • SQUARE, RECT. OR ROUND NECK
MODELS: 6400IV AND 6400IV-O TYPE SP

TYPE SP SPLINE

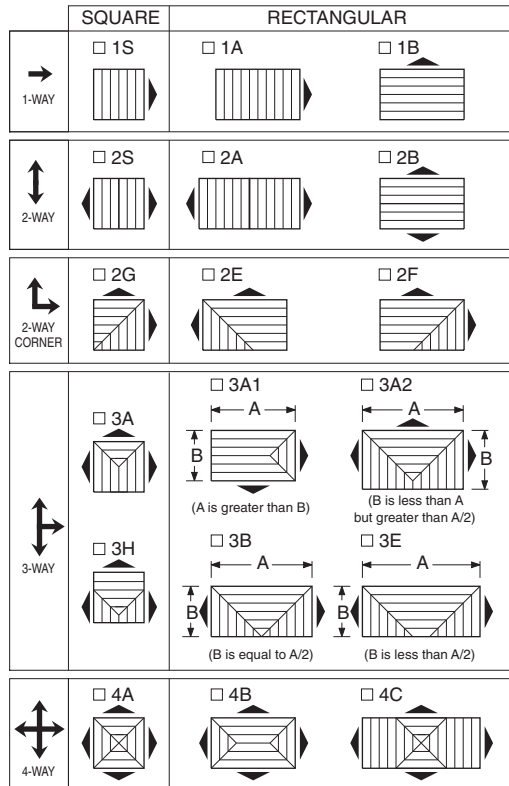
NECK VIEW



If the ceiling module is not 3" (76) larger than the neck size of the diffuser in both dimensions, a steel, module sized extended panel will be added.
Minimum duct size: 6 x 6 (152 x 152).
Maximum duct size: see table.
Available in 3" (76) increments only.

IMPERIAL MODULES (INCHES)	METRIC MODULES (MM)	MAXIMUM DUCT SIZE
12 x 12	300 x 300	6 x 6 (152 x 152)
24 x 12	600 x 300	18 x 6 (457 x 152)
24 x 24	600 x 600	18 x 18 (457 x 457)

CORE STYLE SELECTION



Patterns are shown in plan view (looking down into inlet).

Spline Type Diffuser for one-directional exposed T-bar lay-in grid or for concealed T-bar grid (splines on two opposite sides - steel lift brackets on other two sides).

DESCRIPTION:

1. Material: Extruded aluminum. Extended panel where required is corrosion-resistant coated steel.
2. Model 6400IV is a high capacity ceiling diffuser available in 1, 2, 3 or 4-way blow patterns especially designed for optimum performance in heating and cooling applications. The induction vanes consist of 45° angled diffusion vanes spaced 1 1/2" (38) apart on the back of each diffuser louver. Vane sets on adjacent parallel louvers run in opposite directions and cause primary air to emerge from each louver at alternating angles. The resulting turbulent discharge air jets produce high induction rates and rapid temperature equalization, making the diffuser highly suitable for VAV applications.
3. Spring-loaded removable core.
4. Standard finish is AW Appliance White.

OPTIONS:

- PLA Aluminum Extended Panel.
- Steel opposed blade damper. Model 6400IV-O.
- Aluminum opposed blade damper. Model 6400IV-OA.

ROUND NECK

- SR Square to round transition collar
- SR-O Square to round transition collar for use over O.B.D.
- 4275 Radial Opposed Blade Damper (round)
- 4250 Radial Sliding Blade Damper (round)

EXTERNAL INSULATION

- EX External Foil-Back Insulation, installed - R-4.2.

OPTIONAL FINISH:

- SP Special. Specify _____.

SCHEDULE TYPE:	Dimensions are in inches (mm).			
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	2 - 8 - 18	6400	11 - 24 - 16	6400IV-3