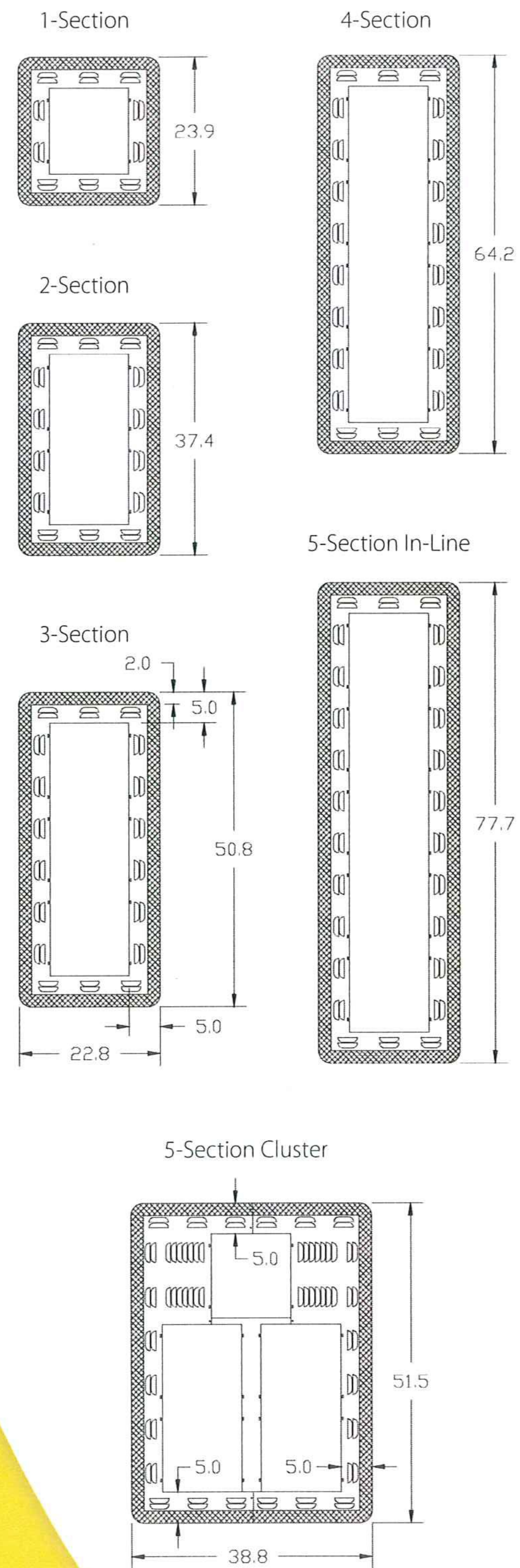


## Backplates with Retroreflective Borders

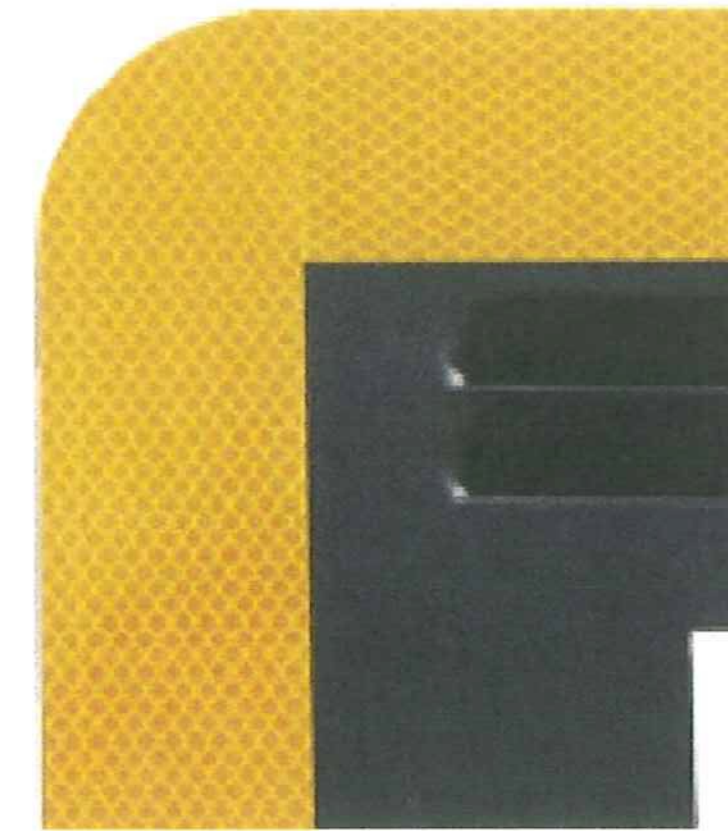
CAD of Examples of Backplates with 2" Tape



Dimensions rounded to the nearest 0.1"  
 Dimensions shown for 3-section backplate  
 (except height) are typical of all backplates  
 shown for 2" width tape

### Retroreflective Tape Specifications

Type:	Prismatic, Series 3930 or 3990
Color:	Yellow (standard), white (optional)
Width:	1, 2, or 3 inches
Manufacturer:	3M



Close-up of Reflective Tape  
 (louvered backplate)

### Retroreflection

Retroreflection occurs when a surface reflects a portion of the light from a source (headlights) directly back to an observer (driver) located near the source.

Retroreflective tape utilizes "cube corner reflection" to create the reflection back toward the source of the light. Small retroreflective "lens elements" embedded in the tape have three mutually perpendicular surfaces that refract a light ray (headlight beam) off the three surfaces and return it toward its source.

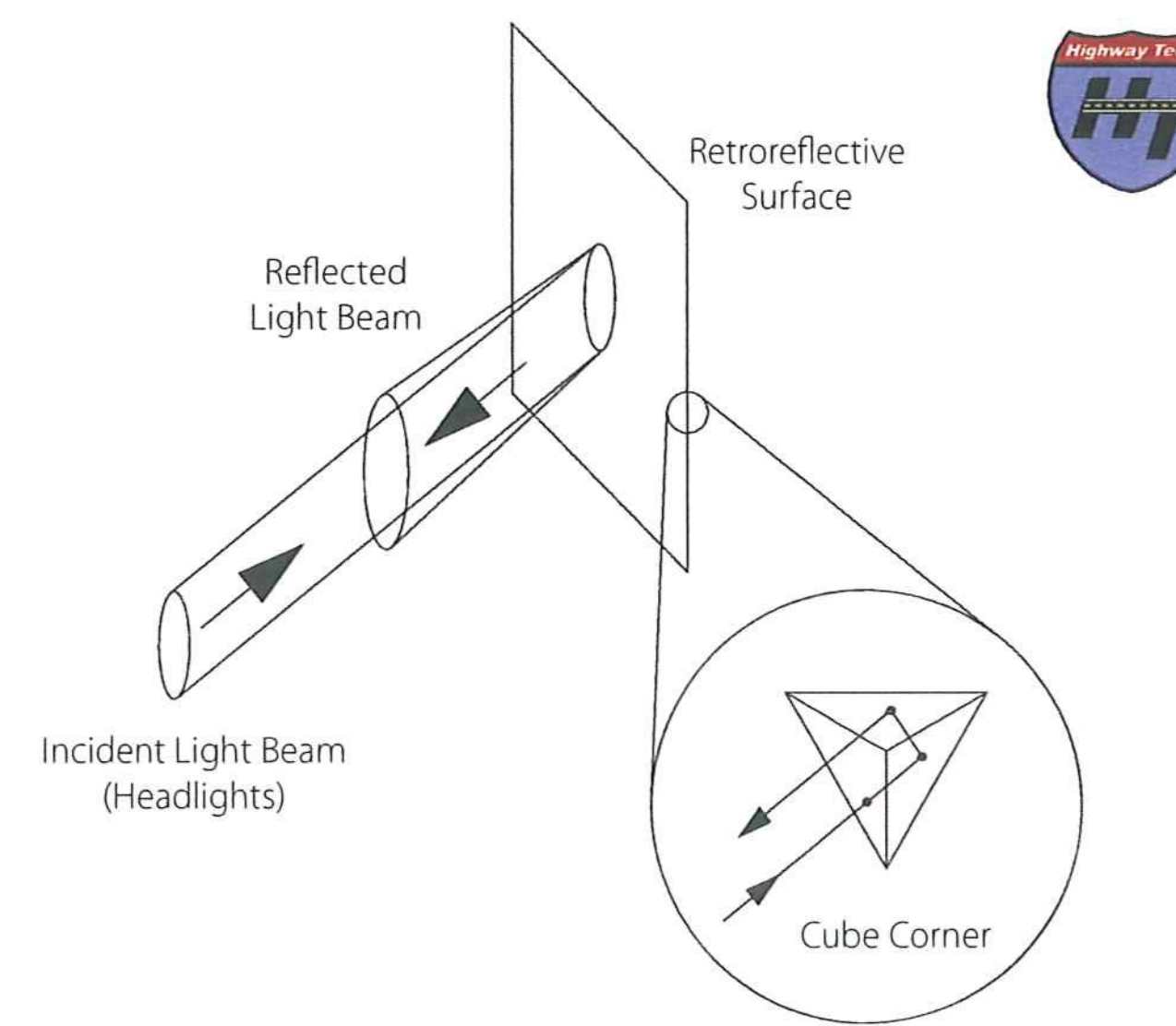


Diagram of Retroreflection

To learn more about  
 McCain's Integrated Traffic  
 Solutions, please contact  
[info@mccain-inc.com](mailto:info@mccain-inc.com) or  
 call (760) 727-8100

