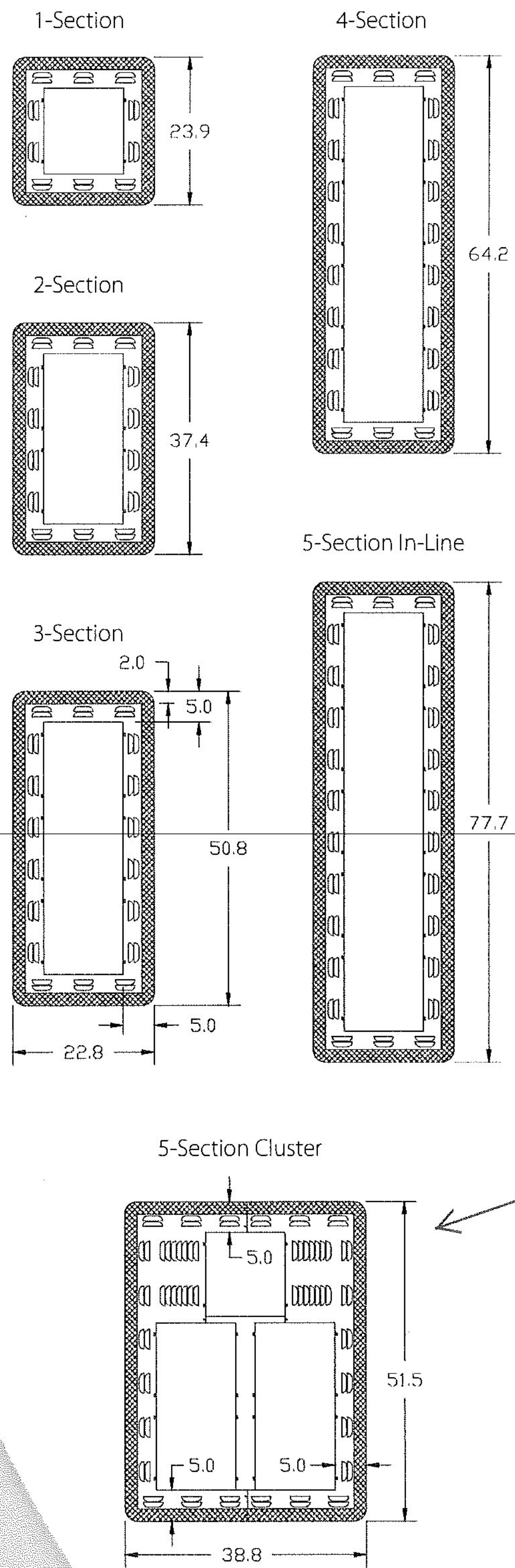


EAST COAST SIGNALS APPROVED FOR SUBMITTAL 7-18-16 MSF

Backplates with Retroreflective Borders

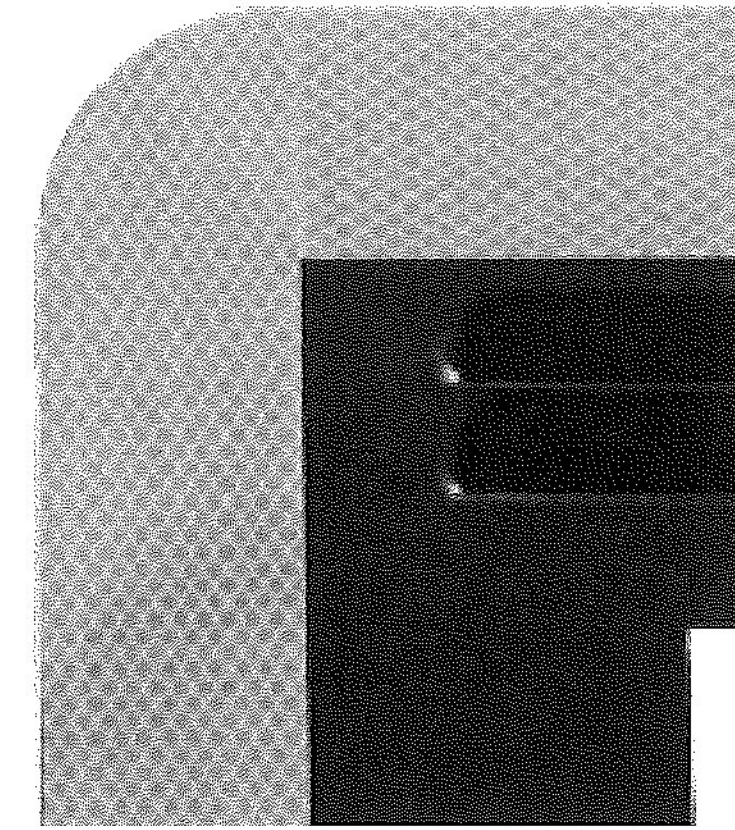
CAD of Examples of Backplates with 2" Tape



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.

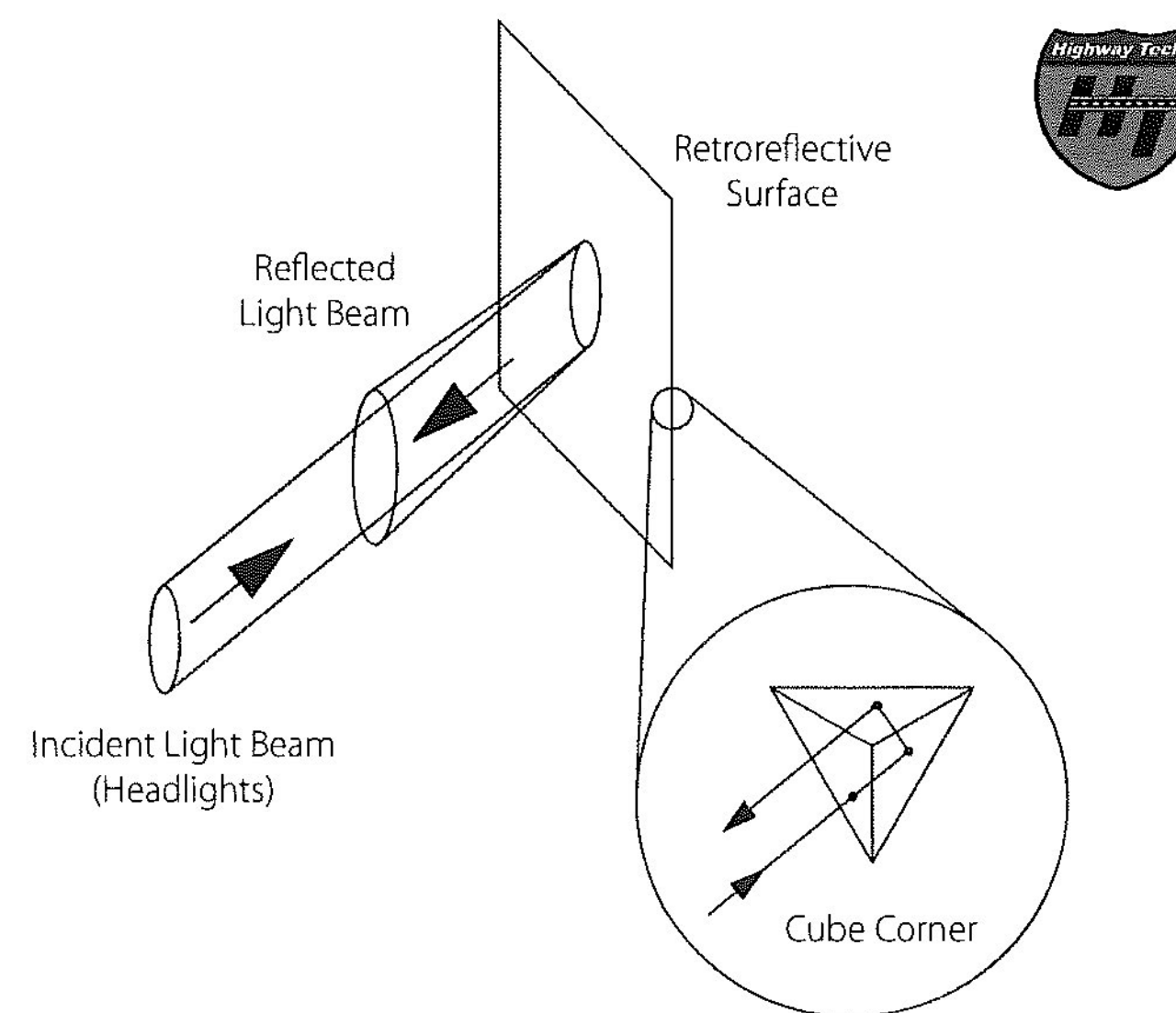


Diagram of Retroreflection

To learn more about
 McCain's Integrated Traffic
 Solutions, please contact
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 call (760) 727-8100



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