



glass block wall

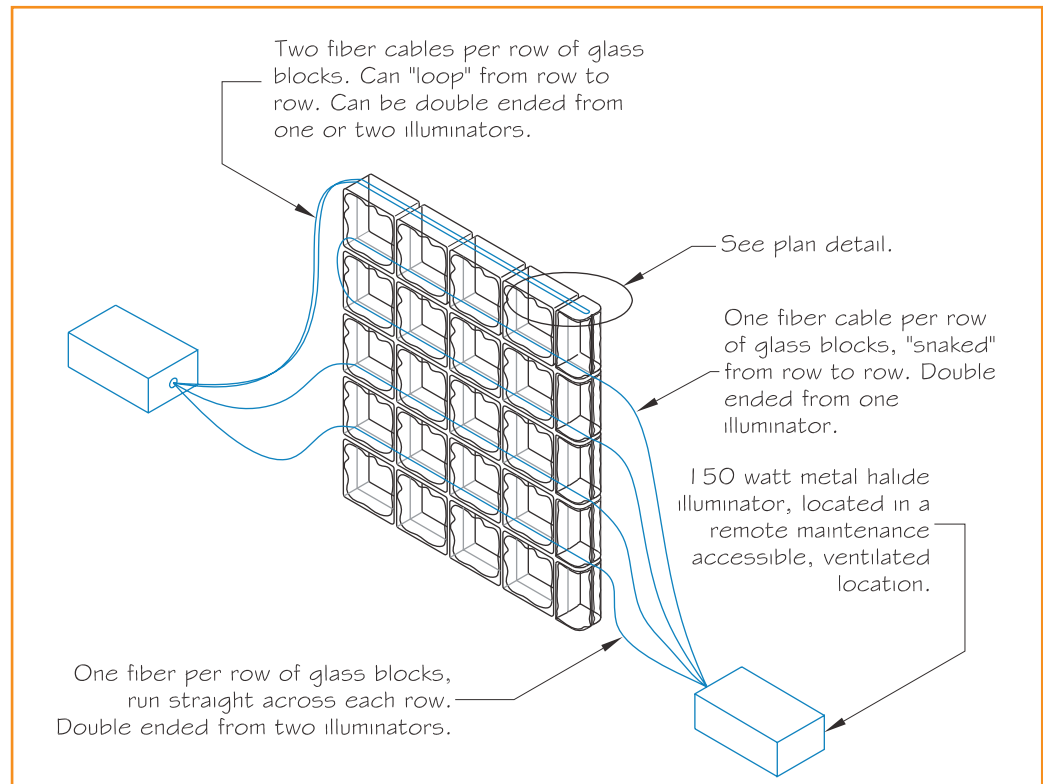
Cut Sheet #3123

TYPICAL APPLICATION MATERIALS

ILLUMINATOR:
LG150 or LG150C

FIBER OPTIC CABLE:
F-MF-SL-PM-11 (brightest)
or F-MF-SL-PM-8 (bright)

TERMINATION METHOD:
RCP Harnessing
or
DIY Harnessing (hot knife)



DESIGN CONSIDERATIONS

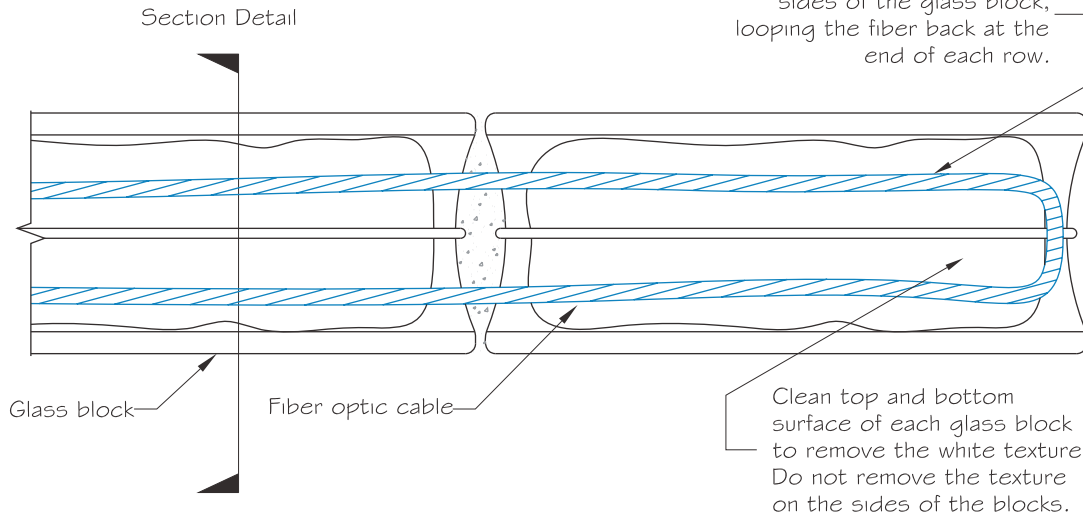
1. Fiber optic cable should be installed between every row of glass blocks, using either one or two cables per row.
2. Fiber can be "snaked" from row to row or can be used with straight runs, depending on the total length of the wall.
3. Typically, 8mm/49 strand or 11mm/84 strand fiber provides the best illumination, but other fiber sizes can be used as long as they fit between the glass blocks.
4. For outdoor applications, use outdoor rated fiber with UV inhibitors, such as the fibers noted above.
5. Glass Block Wall lighting is best viewed in a dim or dark environment. Lighting results are strongly affected by ambient lighting conditions, so direct spotlighting of the wall should be avoided.
6. Refer to the fiber cut sheets for recommended maximum cable lengths. Maximum lengths may vary depending on cable size, illuminator type and termination method.
7. When calculating fiber lengths, be sure to include both the horizontal and vertical distances of the wall, the length of fiber required to reach the illuminators, and an extra two foot service loop of cable per illuminator connection. The service loop allows for slight changes in illuminator location or orientation, and also allows the cable to be re-harnessed in the future, if required.

INSTALLATION CONSIDERATIONS

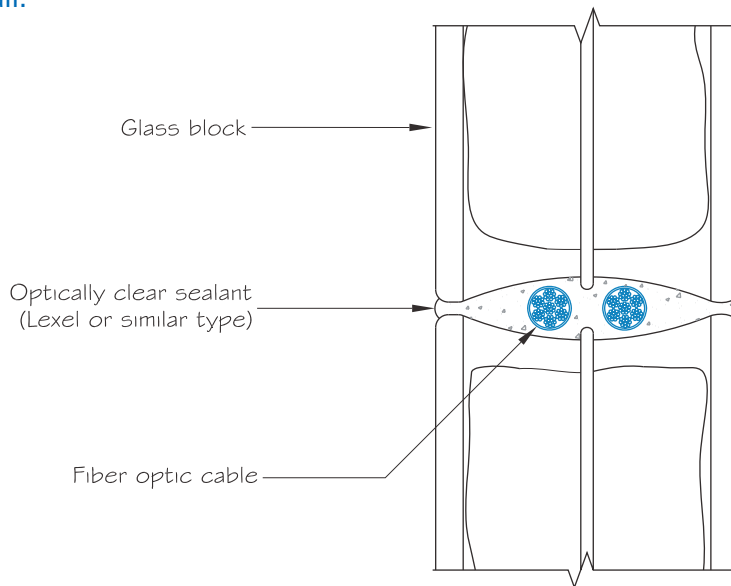
1. Glass blocks are typically shipped with a white texture on the mortar sides. For maximum light transmission and optimal effect, the top and bottom surfaces of each glass block **MUST** be cleaned and free of this white texturing material.
2. Using an optically clear sealant (Lexel or similar type), mount fiber onto the glass block. For optimal light transmission into the glass blocks above and below, apply sealant on both sides of the fiber cable.
3. Use opaque / colored mortar to fill in to the edges of the block. The optically clear sealant may be used as mortar to provide an additional effect.
4. VLT does not assure the structural integrity of the mortars and sealants referred to above, and takes no responsibility for their use or misuse. Please consult a structural engineer for approval of design ideas prior to construction.

APPLICATION

Plan Detail.



Section Detail.



NOTES:
