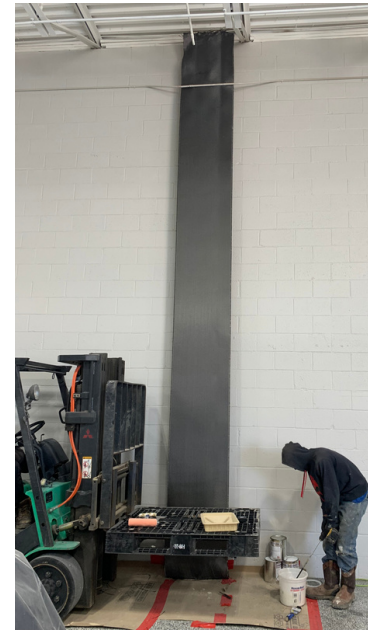


VEHICLE IMPACT CONCRETE COLUMN REINFORCEMENT WITH WITH CARBON FIBER

TULSA, OK, USA

CARBON FIBER STRENGTHENING SYSTEMS



Vehicle impacts in commercial buildings from forklifts and other traffic can be a regular occurrence in busy warehouses across America. When the integrity of structural components, such walls and support columns are in question from these impacts a thorough evaluation should be carried out.

Following an inspection from Metro Structural Services in Tulsa, Oklahoma it was determined that several of the CMU support columns were compromised from forklift impacts and in need of reinforcement. Metro utilized SRS's 660 Bidirectional heavy weight commercial grade carbon fiber fabric to permanently strengthen the damaged concrete columns.

Once the the damaged areas of the concrete columns had been patched and all voids and section loss were filled, the surface of the CMU was prepared and Metro applied the 24" wide bidirectional carbon fiber over the columns.

Structuralrs.com

The CFRP not only repairs and reinforces the columns but also provides strength over any necessary patches that were installed. The added strength over these patches will help to increase the effectiveness and lifetime of the repairs to permanently reinstate their structural capacity.

