



# OVERCOMING CHALLENGES WITH EFCO FORMWORK SYSTEMS

Charlotte, North Carolina

1.5 Minute Read Time

## UNITED FORMING AND EFCO: A SUCCESSFUL COLLABORATION

The construction at 110 East in Charlotte, North Carolina, has been a challenging yet successful project for United Forming and EFCO. **United Forming, Inc.**, has partnered with EFCO on numerous North Carolina projects, most recently, the 2151 Hawkins parking garage and office tower in Charlotte.

## HAVING CHALLENGES, FINDING SOLUTIONS

Having successfully completed the Hawkins project using EFCO's **E-Z DECK®**, United Forming made the easy decision to use the same system to build the 110 East tower, which is only a few blocks away. The 110 East tower project presented new challenges due to the limited site space and the proximity to the Charlotte Lynx rapid transit line East-West Station. United Forming and EFCO teamed up to overcome each challenge.

## POWER SHIELD PROTECTION SYSTEM / PROTECT YOURSELF FROM FALLING DEBRIS

One of the requirements for the project was to prevent materials from falling off the Charlotte Lynx side of the building. EFCO's **POWER SHIELD 3.0®** system was used to address this challenge. EFCO prebuilt the system at their Atlanta warehouse facility, including all platforms and accessories. The assembled **POWER SHIELD 3.0** gangs were then ►

**EFCO's POWER SHIELD 3.0 folds out to a maximum of two times the provided width, including the closed-end panels.**





trucked to the project site in Charlotte and installed directly onto the building with minor work, including opening the wings for full-width protection.

**UTILIZATION OF ADJUST-A-DECK, PLATE GIRDER, AND E-Z DECK FORMWORK SYSTEMS**

Another challenge arose due to minimal entry and exit options for the concrete trucks. A drive-thru lane was required within the footprint of the tower structure to allow passage of the concrete trucks. However, an additional area needed to be shored to allow two trucks access to the concrete pump under the formed decks. Wide spans below the poured decks and beams were required to allow this drive-thru lane adequate width and clearance. Various EFCO systems, including ADJUST-A-DECK®, PLATE GIRDER®, and E-Z DECK® systems, were utilized together to provide access and support as needed.

**FLEXIBLE FROM GARAGE TO OFFICE**

Using the EFCO E-Z DECK formwork system on the 110 East project highlights the growing demand for sustainable and efficient building practices in the construction industry.

**THE SUCCESS OF UNITED FORMING AND EFCO COLLABORATION**

As the construction at 110 East nears completion, it is clear that the collaboration between United Forming, Inc. and EFCO has been crucial to the project's success. The building will stand as a symbol of progress and innovation in Charlotte, North Carolina, and a testament to the power of teamwork and cutting-edge technology in the construction industry.

**EFCO ONLINE**

**Fast | Easy | Secure**

Efficiently manage your project from start to finish

**EFCO EQUIPMENT**

POWER SHIELD 3.0, ADJUST-A-DECK, PLATE GIRDER, E-Z DECK

**UNITED FORMING, INC TEAM**

Juvenal Iberra ..... Field Manager  
 Jim Levers ..... Area Manager  
 Bobby Gambella ..... Project Manager  
 Ryan Knudtson ..... General Superintendent  
 Emeterio Solorzano ..... Superintendent

**EFCO FORMWORK SPECIALISTS-ATLANTA**

Scott Norvell ..... Territory Manager  
 James Ostrander ..... Sr. Field Supervisor  
 John King ..... Engineer  
 Dustin Miller ..... Engineer

**CONTACT OUR ATLANTA OFFICE TODAY**

1545 Henrico Road,  
 Conley, GA 30288-1298  
 Phone: (404) 243-5400

*Wide spans below the poured decks and beams were required for the project to allow a drive-thru lane for the concrete trucks.*

