Delimitation
This Detail exhibits one complete repair strategy with hand pressed TC. Other options may be appropriate. Always consult a professional team of engineers, architects, and architectural conservators when crafting a repair scenario for historic architectural TC.

Considerations
- All original TC units should be replaced in-kind or removed and reinstalled. Reinstall original pieces hollow, with brick infill removed from cells.
- Anchorage will vary if TC is hand pressed or extruded.
- The below items should be considered:
  - Tolerances
  - Shims
  - Shoring
  - Modifications to units

Existing sound masonry backup to remain. Rebuild backup as necessary, then repair/repaint.

Install self-adhered flashing, secured by term. bar, 4-6" above steel.

Cut original J-Bolts at Soffit and replace with bent SS strap & pin anchors (4 PU). Drill and tap holes in exist. steel from below to secure bent SS strap & pin anchor to steel with threaded SS anchor bolt. Install sealant around pin in hole of TC unit.

Replace steel veneer anchors with SS strap & pin anchors or split-tail anchors, anchored to backup masonry.

Fill skyward-facing joints with sealant or cap with lead T-Caps. All other joints to be pointed with mortar.

New SS J-bolts with SS threaded dowels & nut & washer (2 per unit).

Clean and paint sound tab anchors or install new tab anchored to exist. structural steel.

Clean and paint all exist. steel to remain with a corrosion inhibitor.

KEY WORDS
Terra Cotta, Hand Pressed, Lintel, Brick, Restoration, Anchor, Repair, Window, Flashing, Detail #10.030.0631

Note: This drawing references Lintel Detail: 1927 TC Standard Construction Original Plate 36.

LINTEL DETAIL - REPAIR
DETAIL 10.030.0631 Rev. 04/16/19

Section
Scale: 1/2" = 1'-0"
Note: This Terra Cotta Detail is a modern rendering of the original detail shown in Plate 36 of Terra Cotta Standard Construction, published by the National Terra Cotta Society in 1927.

KEY NOTES
11. Hand pressed terra cotta veneer
12. Structural steel
15. Masonry backup, triple wythe construction
21. Mortar
32. Veneer anchor/ashlar anchor
33. J-hook anchor bolt/hangers
37. Dowel rod/pin
38. Tab anchor/clip
81. Window assembly
91. Hand pressed terra cotta lintel

KEY WORDS
Terra Cotta, Hand Pressed, Lintel, Brick, Restoration, Anchor, Window, Original Drawing 36

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TEAM TERRA COTTA DETAILING SERIES
800-IMI-0988 www.imiweb.org
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