

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/repoint.

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.

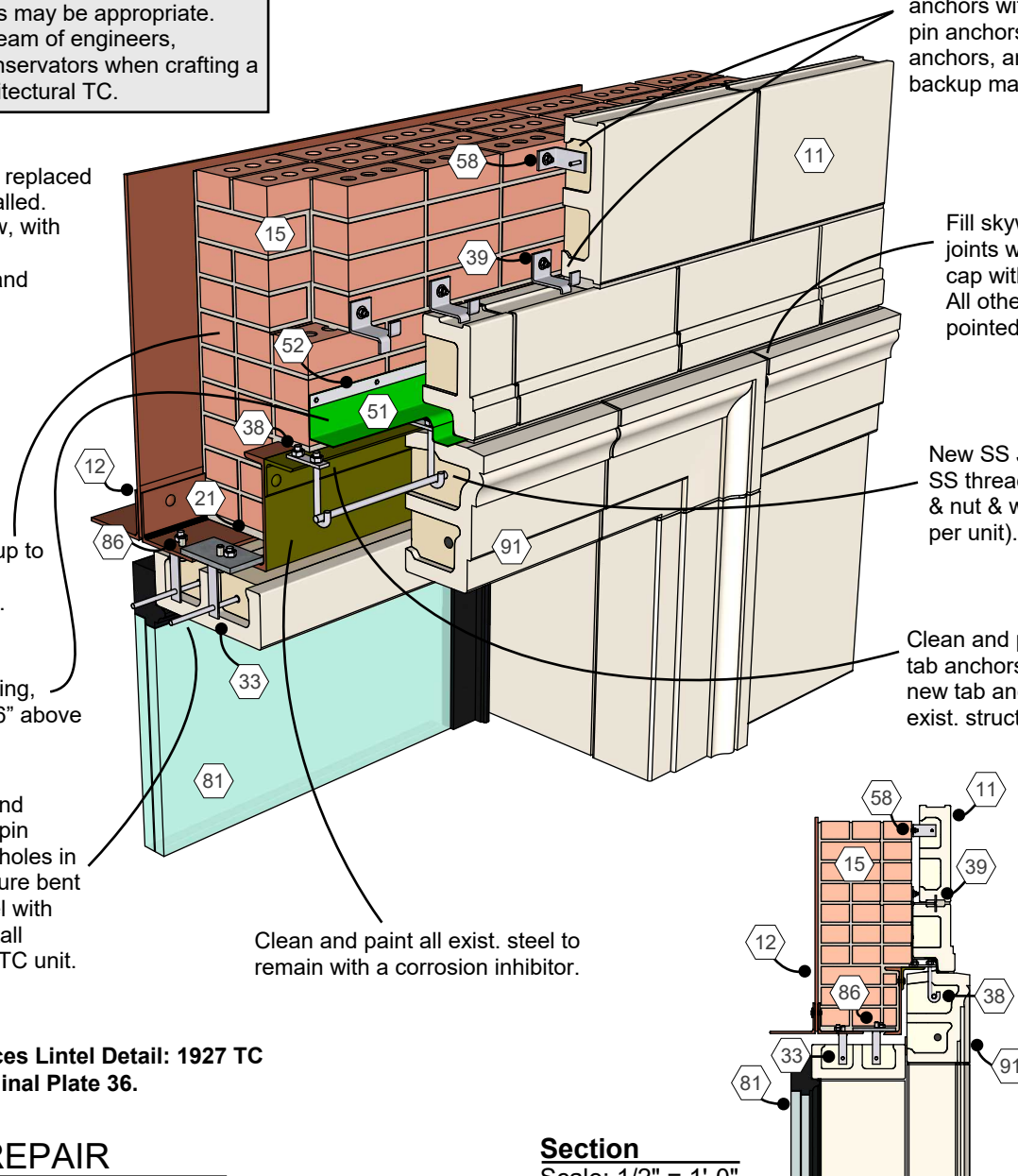
Clean and paint all exist. steel to remain with a corrosion inhibitor.

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

LINTEL DETAIL - REPAIR

DETAIL 10.030.0631

Rev. 04/16/19

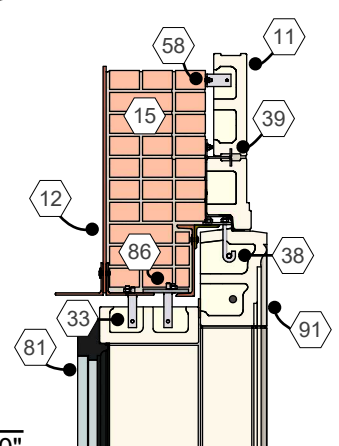


Replace steel veneer anchors with SS strap & pin anchors or split-tail anchors, anchored to backup masonry.

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.



KEY NOTES

- 11 Hand pressed terra cotta veneer
- 15 Masonry backup, triple wythe construction
- 12 Structural steel
- 21 Mortar
- 33 SS bent strap & pin anchor
- 38 Tab anchor/clip
- 39 Split tail anchor
- 51 Thru-wall flashing
- 52 Termination bar, with continuous bead of sealant at top
- 58 Strap & pin anchor
- 81 Window assembly
- 86 Anchor bolt
- 91 Hand pressed terra cotta lintel

KEY WORDS

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

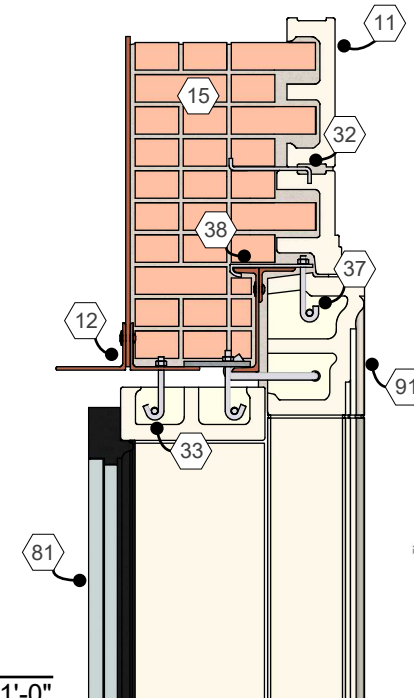
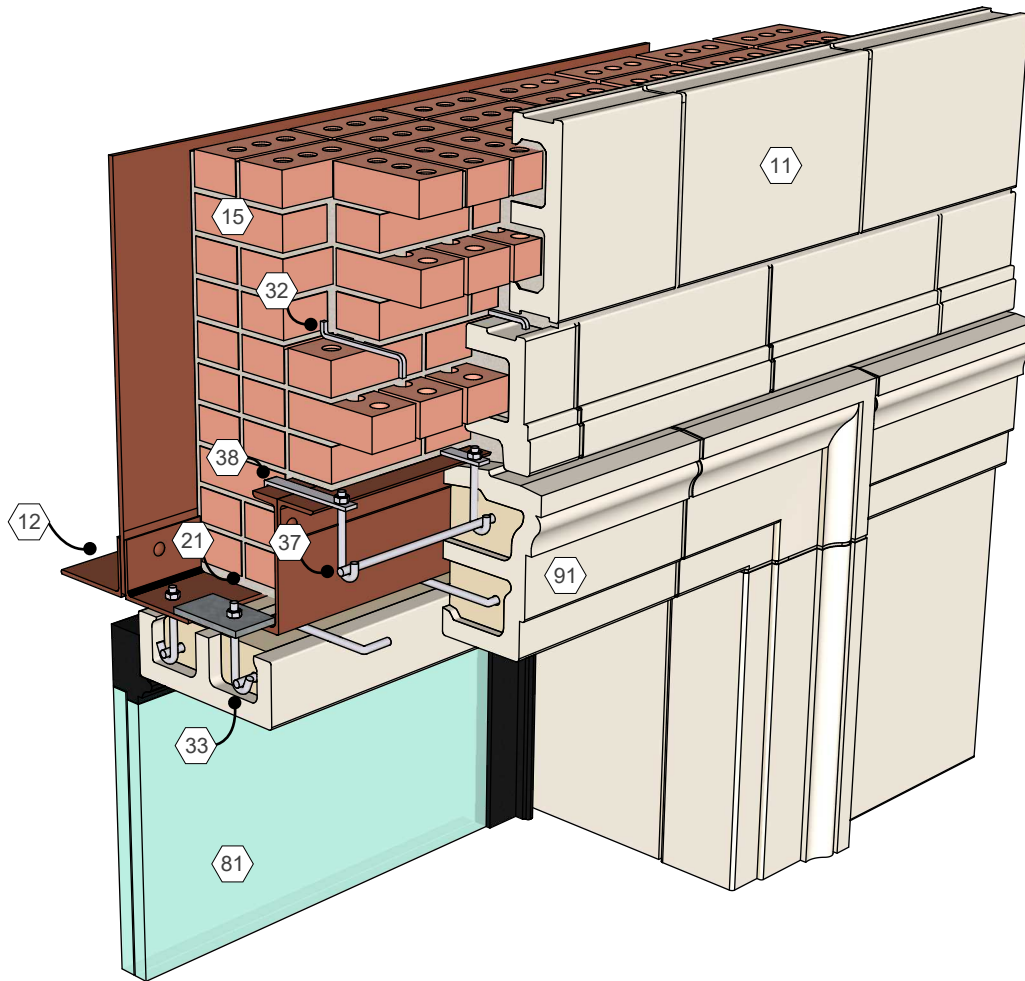
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KEY NOTES

- 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

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.

LINTEL DETAIL ORIGINAL PLATE 36
 DETAIL 10.030.0631.0 Rev. 04/16/19

Section
 Scale: 3/4" = 1'-0"

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