

**KEY NOTES**

- 01 (E) Masonry backup, multiwythe construction
- 11 Architectural terra cotta, extruded
- 21 Mortar
- 37 Stainless steel rod
- 38 Stainless steel strap and pin anchor
- 39 Stainless steel split tail anchor
- 51 Flashing system with end dams as required
- 52 Termination bar with continuous sealant
- 54 Stainless steel drip edge; seal and adhere to substrate
- 59 Weep vent
- 60 Weep hole at underside of each overhanging TC unit
- 72 Sealant and backer rod
- 74 Sealant or lead T-caps at all horizontal skyward-facing joints
- 75 Plastic setting shims as required
- 81 (E) Window assembly
- 86 Stainless steel J-bolt, bent
- 88 Self-tapping screws
- 94 (E) Structural steel treated with corrosion-inhibiting coating

**GENERAL NOTES**

This drawing references Lintel-Original Plate 36.

Where anchors penetrate flashing, seal with compatible sealant.

Anchors to be located at end of TC units; shown at cut unit for clarity.

**DELIMITATION**

This detail exhibits rebuild strategies with extruded architectural terra cotta (TC). Other options may be appropriate. It is best to consult a professional team of engineers, architects, and architectural conservators when crafting a repair or rebuild scenario for historic architectural TC.

**CONSIDERATIONS**

- Architect/engineer to verify condition and soundness of existing (E) masonry backup. Perform testing as necessary.
- Rebuild or replace backup as necessary.
- Replacing anchors requires performing anchorage pull-testing.
- Accessible existing sound steel that is to remain, requires cleaning and coating with a corrosion inhibitor.
- Corroded steel to be evaluated and painted, repaired, or replaced with stainless steel based on condition
- Original TC units are to be replaced in-kind or removed, repaired, and reinstalled and not filled.
- Install new TC units not filled.
- Weep holes in units must be kept clear and free of mortar and debris to prevent trapping of moisture after installation.
- Design considerations include:
  - Tolerances
  - Shims
  - Shoring
  - Modifications to units
  - (E) Anchor removal

**KEYWORDS**

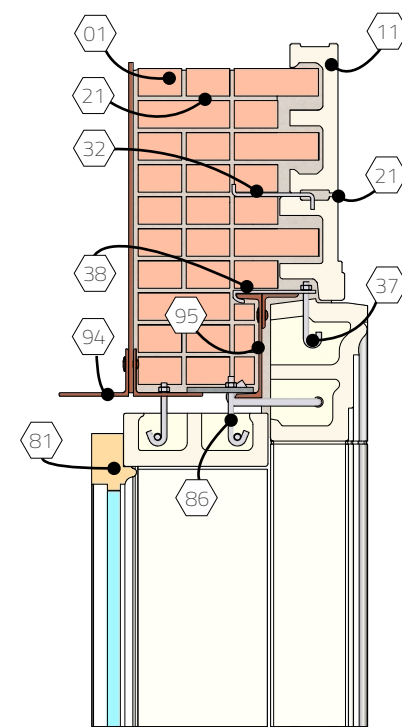
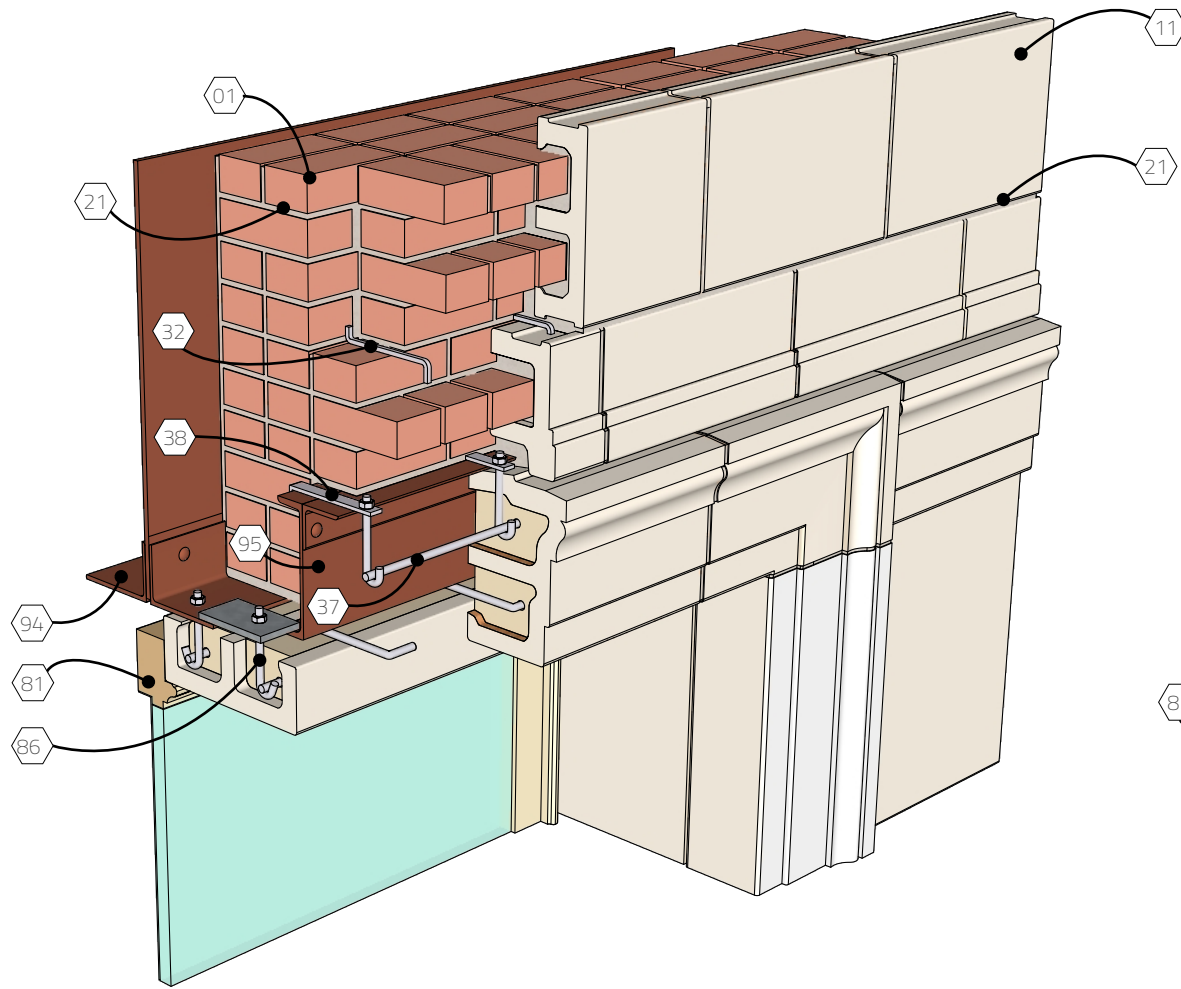
Terra cotta, Rebuild, Extruded, Lintel, Brick, Restoration, Anchor, Repair, Window, Flashing, 10.030.0633



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TITLE	SCALE	REV.	INTERACTIVE MODEL	SHEET NO.
Lintel rebuild   Terra cotta, extruded	None	02/01/21	<a href="https://imisketchupmodels.blogspot.com/2020/10/100300633-lintel-rebuild-terra-cotta.html">https://imisketchupmodels.blogspot.com/2020/10/100300633-lintel-rebuild-terra-cotta.html</a>	10.030.0633



Section

**KEY NOTES**

- 01 Masonry backup, multi-wythe construction
- 11 Architectural terra cotta, hand pressed
- 21 Mortar
- 32 Bent steel bar
- 37 Steel rod
- 38 Steel strap anchor
- 81 Window assembly
- 86 Steel J-hook
- 94 Steel angle
- 95 Steel channel

*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.*

**KEYWORDS**

Terra Cotta, Hand Pressed, Lintel, Brick, Restoration, Anchor, Window, Original Plate 36, 10.030.0631

TITLE

Lintel - Original Plate 36

SCALE

None

REV.

09/10/20

SHEET NO.

10.030.0631