

## KEY NOTES

- 01 (E) Masonry backup, multiwythe construction
- 11 Architectural terra cotta, extruded
- 21 Mortar
- 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
- 94 (E) Structural steel treated with corrosion-inhibiting coating

## GENERAL NOTES

This drawing references Sill and Mullion - Original Plate 32.

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, Sill, Mullion, Brick, Restoration, Anchor, Repair, Window, Flashing, 10.030.0433

**WJE**

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TITLE

Sill and mullion rebuild | Terra cotta, extruded

SCALE

None

REV.

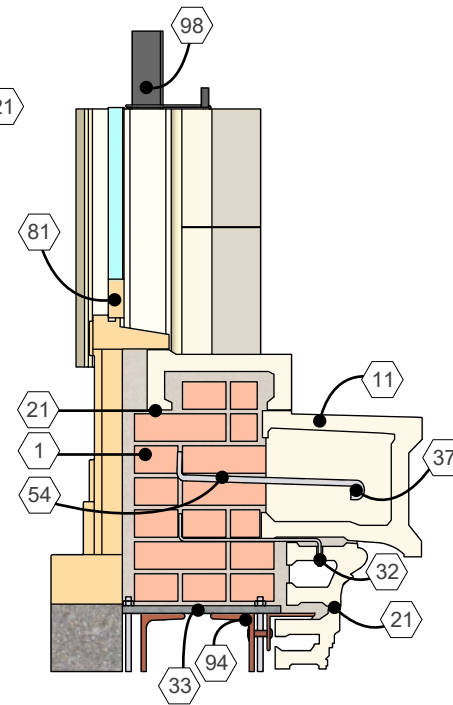
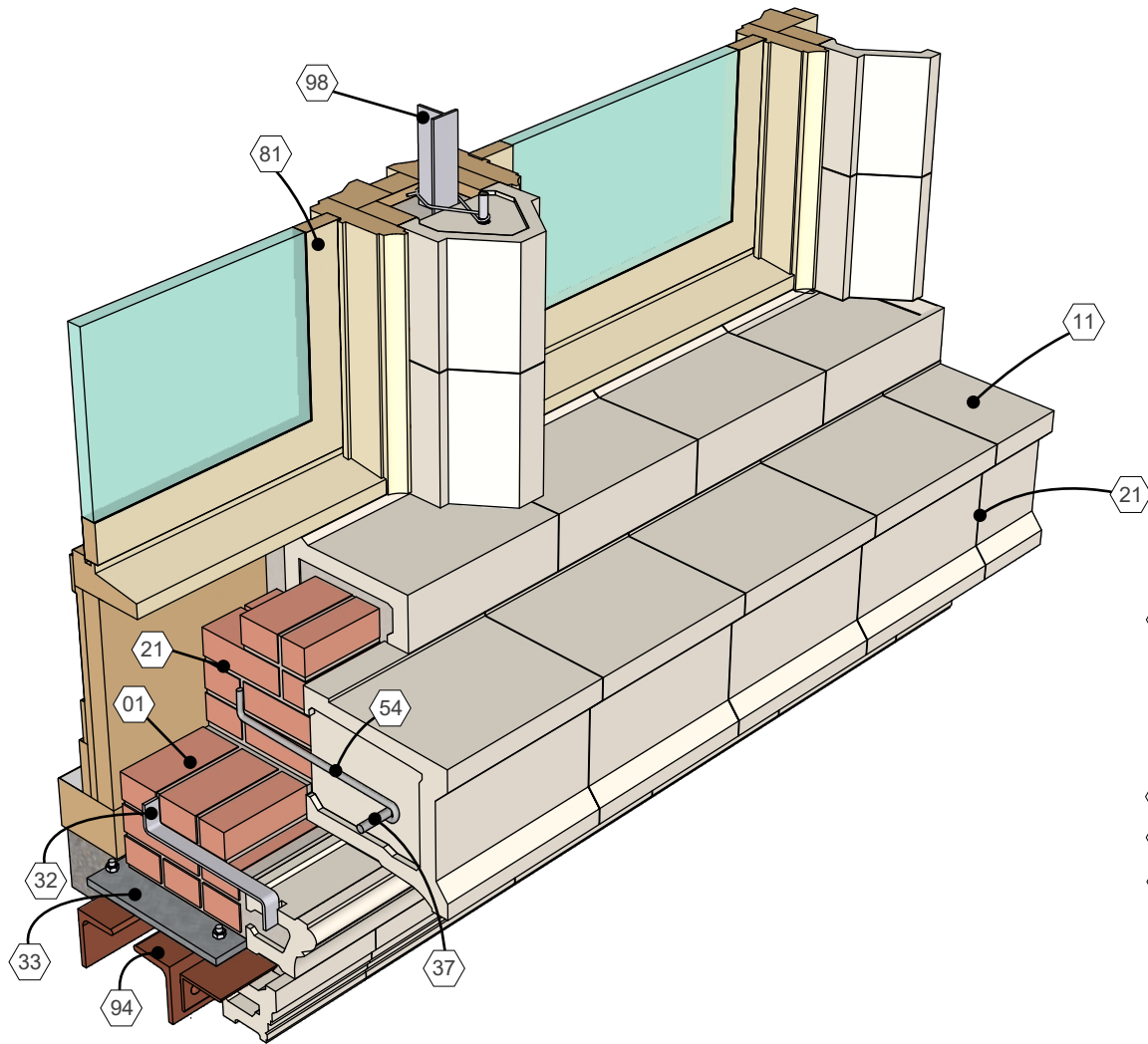
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INTERACTIVE MODEL

<https://imisketchupmodels.blogspot.com/2020/11/100300433-sill-and-mullion-rebuild.html>

SHEET NO.

10.030.0433



Section

**KEY NOTES**

- 01 Masonry backup, multiwythe construction
- 11 Architectural terra cotta, hand pressed
- 21 Mortar
- 32 Steel Z anchor
- 33 Steel plate
- 37 Steel rod
- 54 Steel hook anchor
- 81 Window assembly
- 94 Steel angle
- 98 Steel T-bar

*Note: This Terra Cotta Detail is a modern rendering of the original detail shown in Plate 32 of Terra Cotta Standard Construction, published by the National Terra Cotta Society in 1914.*

**KEYWORDS**

Terra Cotta, Hand Pressed, Sill, Mullion, Brick, Restoration, Anchor, Repair, Window, Flashing, Original Plate 32, 10.030.0431

TITLE

Sill and Mullion - Original Plate 32

SCALE

None

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