

KEY NOTES

- 01 (E) Masonry backup, multi-wythe construction
- 11 Architectural terra cotta, hand pressed
- 21 Mortar
- 32 Stainless steel Z anchor
- 38 Stainless steel strap and pin 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.

DELIMITATION

This detail exhibits rebuild strategies with hand pressed 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, Pressed, Hand pressed, Rebuild, Sill, Mullion, Brick, Restoration, Anchor, Repair, Window, Flashing, 10.030.0432

WJE

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TITLE

Sill and mullion rebuild | Terra cotta, pressed

SCALE

None

REV.

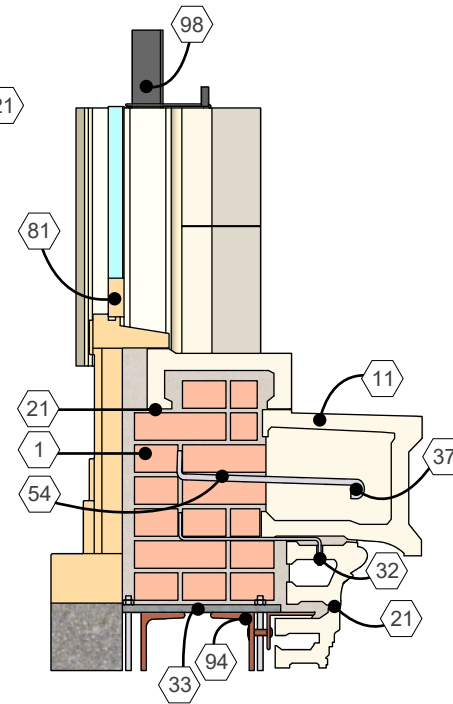
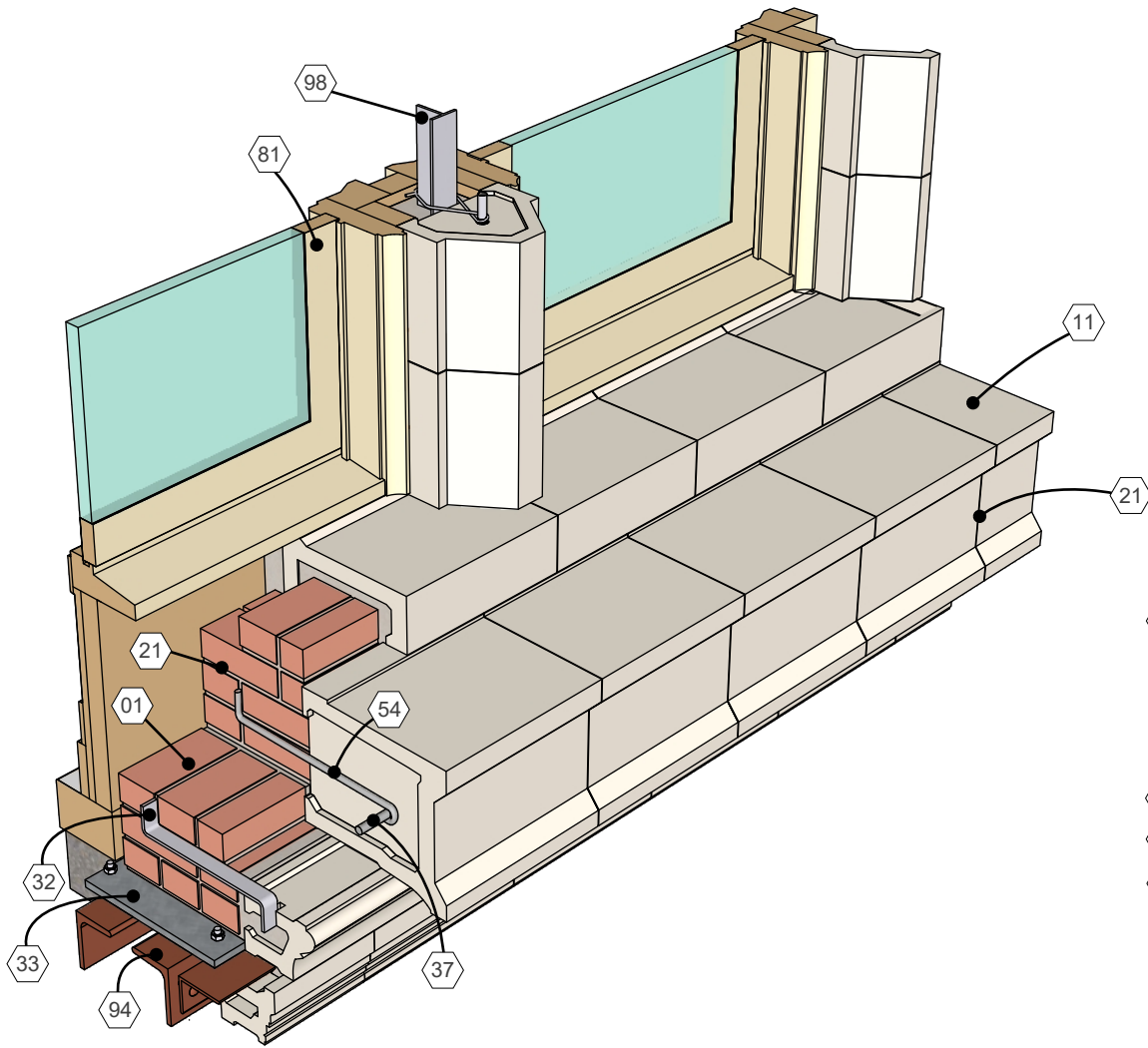
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INTERACTIVE MODEL

<https://imisketchupmodels.blogspot.com/2021/01/100300432-sill-and-mullion-rebuild.html>

SHEET NO.

10.030.0432



Section

KEY NOTES

- 01 Masonry backup, multi-wythe 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

KEYWORDS

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

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.

TITLE

Sill and Mullion - Original Plate 32

SCALE

None

REV.

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