



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



Developed in cooperation with Wiss, Janney, Elstner & Associates, Inc.



TITLE
Lintel rebuild | Terra cotta, extruded

SCALE
None

REV.
02/01/21

INTERACTIVE MODEL
<https://imisketchupmodels.blogspot.com/2020/10/100300633-lintel-rebuild-terra-cotta.html>

SHEET NO.
10.030.0633