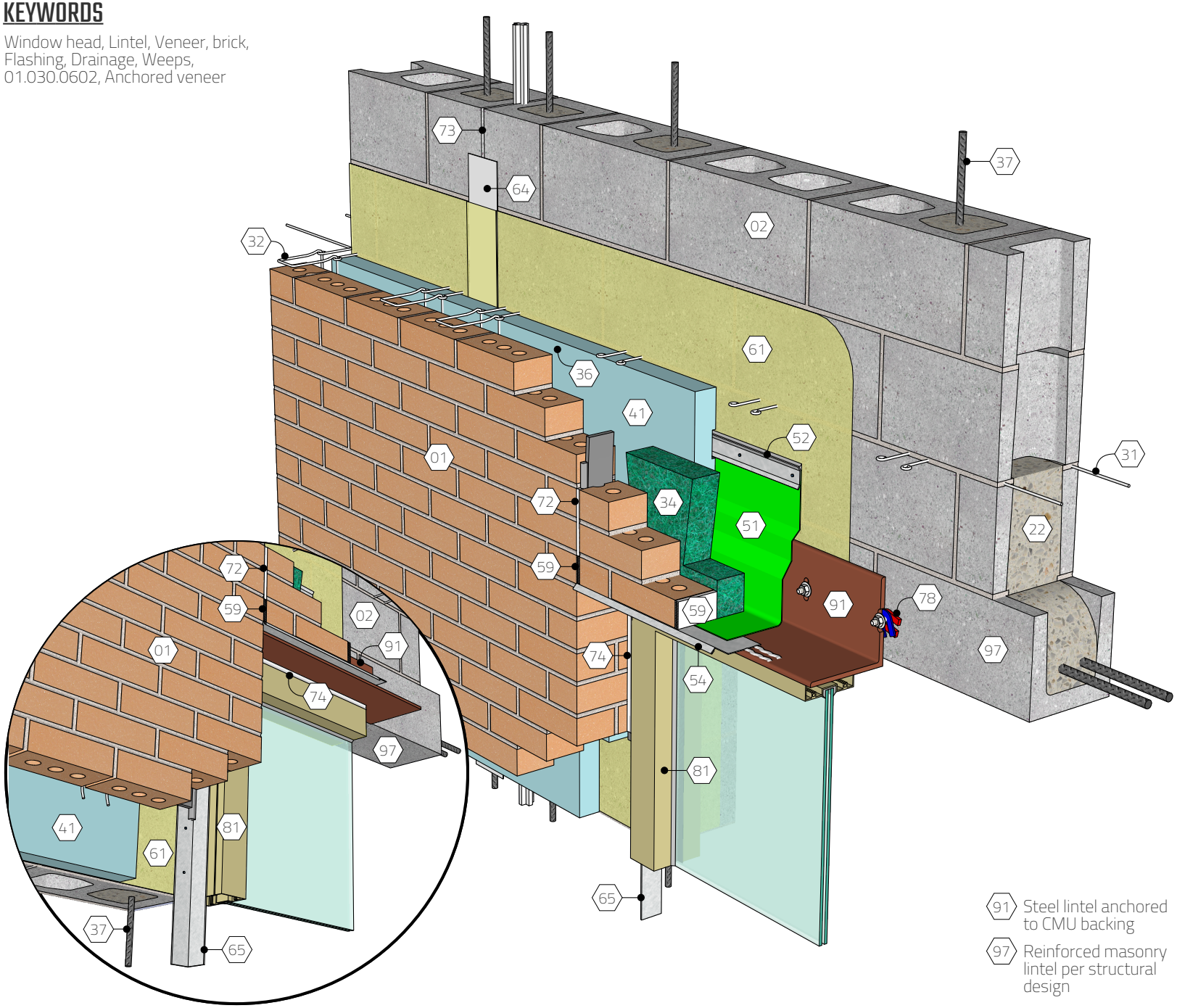
KEYWORDS

Window head, Lintel, Veneer, brick, Flashing, Drainage, Weeps, 01.030.0602, Anchored veneer

INTERNATIONAL MASONRY INSTITUTE

MASONRY DETAILING SERIES



KEY NOTES

- 01 Brick veneer
- 02 Concrete masonry backing
- 22 Grout per structural design
- 31 Horizontal joint reinf. w/ eye & pintle veneer anchors
- 32 Veneer anchor
- 34 Cavity drainage insert
- 36 Air space: 2" recommended, 1" min. req'd by code
- 37 Reinforcement per structural design
- 41 Insulation
- 51 Thru-wall flashing w/ end dam
- 52 Termination bar w/ cont. bead of sealant @ top
- 54 Drip edge
- 59 Weep vents
- 61 Air/moisture/vapor barrier as required
- 64 Transition membrane
- 65 Light gauge aluminum closure angle
- 72 Brick expansion joint: sealant, backer rod, & compressible filler
- 73 Control joint
- 74 Sealant & backer rod around window
- 78 Shims as required
- 81 Window assembly
- 91 Steel lintel anchored to CMU backing
- 97 Reinforced masonry lintel per structural design

TITLE	SCALE	REV.	SHEET NO.
Window head | Anchored brick veneer, CMU backing, fixed lintel	None	04/28/20	01.030.0606

INTERNATIONAL MASONRY INSTITUTE
MASONRY DETAILING SERIES

Drawing No.	**01.030.0606**
Drawing Title	**Window head | Anchored veneer, CMU backing, fixed lintel**
Description	This detail illustrates a masonry window head condition with a fixed steel lintel angle anchored to the concrete masonry backing as often used for long-span openings such as ribbon windows. The lintel angle's position may be adjusted vertically via slotted holes and horizontally via shims. The CMU is supported across the opening by a two-course grouted, reinforced masonry lintel integral to the block. A vertical control joint in the CMU is treated with transition membrane which engages with the air/moisture/vapor barrier in the field of the wall providing continuous resistance to air and moisture. Continuous insulation offers excellent thermal control. An optional cavity drainage insert above the lintel protects the weep vents at the bottom of the cavity from becoming obstructed. The steel lintel is protected with thru-wall flashing returning vertically at each end to form an end dam. The durable drip edge guards against moisture reentry and may be notched to avoid excessively thick laps. This detail also incorporates a vertical brick expansion joint in-line with the brick return at the jamb of the veneer.
3D Warehouse Link	https://3dwarehouse.sketchup.com/model/4559e3a3-4cbe-48ce-96ca-1caaa425707b/010300606-Window-head-Anchored-veneer-CMU-backing-fixed-lintel
Embed Code for 3D Warehouse Model	<iframe src="https://3dwarehouse.sketchup.com/embed/4559e3a3-4cbe-48ce-96ca-1caaa425707b" frameborder="0" scrolling="no" marginheight="0" marginwidth="0" width="580" height="326" allowfullscreen></iframe>
IMI Interactive Model Blog Link	https://imisketchupmodels.blogspot.com/2020/04/010300606-window-head-anchored-veneer.html
IMI MDS Link	
GIF Link	https://www.dropbox.com/s/bcsybzku2n7bdxj/GIF%2001.030.0606.gif?dl=0
Team	Pat Conway, Scott Conwell
Notes	
Date Revised	4/28/2020

TITLE	SCALE	REV.	SHEET NO.
Window head | Anchored brick veneer, CMU backing, fixed lintel		04/28/20	01.030.0606