

Construction Procedure:

- Step 1. Remove the existing marble façade in way of new window opening per architectural detail. Retain the marble for reuse.
- Step 2. Remove a 10"x10" area of block wall beneath the existing steel lintel to install temp W8x28. Ensure that the contact area between W8 and steel lintel is smooth and even.
- Step 3. Install shoring jacks on both sides of the concrete block wall. Ensure an even support of W8. Shoring jacks should be bearing on solid concrete wall/pavement. Remove timber flooring as required. Shoring jacks are to have a minimum 3 ton capacity each. Adjust the shoring jacks to maintain a constant tight support to leveled W8 beam. For safety, attaching the top of shoring jack to the temp W8x28 to prevent accidental falling off.
- Step 4. Remove existing masonry block in the shaded area. Do not remove the blocks in window opening area until after the installation of new W10x49 window header in step 6.
- Step 5. Fill the concrete block voids with concrete mortar. Vibrate till the voids below the bearing areas are fully filled. Let set for minimum 24 hours before next step.
- Step 6. Install W10x49 new window header. Excise caution not to hit the shoring jacks during the installation. Apply 1/2" thick non-shrink grout for beam bearing. Let set.
- Step 7. Replace blocks in the shaded area above the newly installed W10x49.
- Step 8. Remove the temp shoring jacks and temp W8x28 header. Fill the hole.
- Step 9. Remove the blocks below the new window lintel to make the new window opening.

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