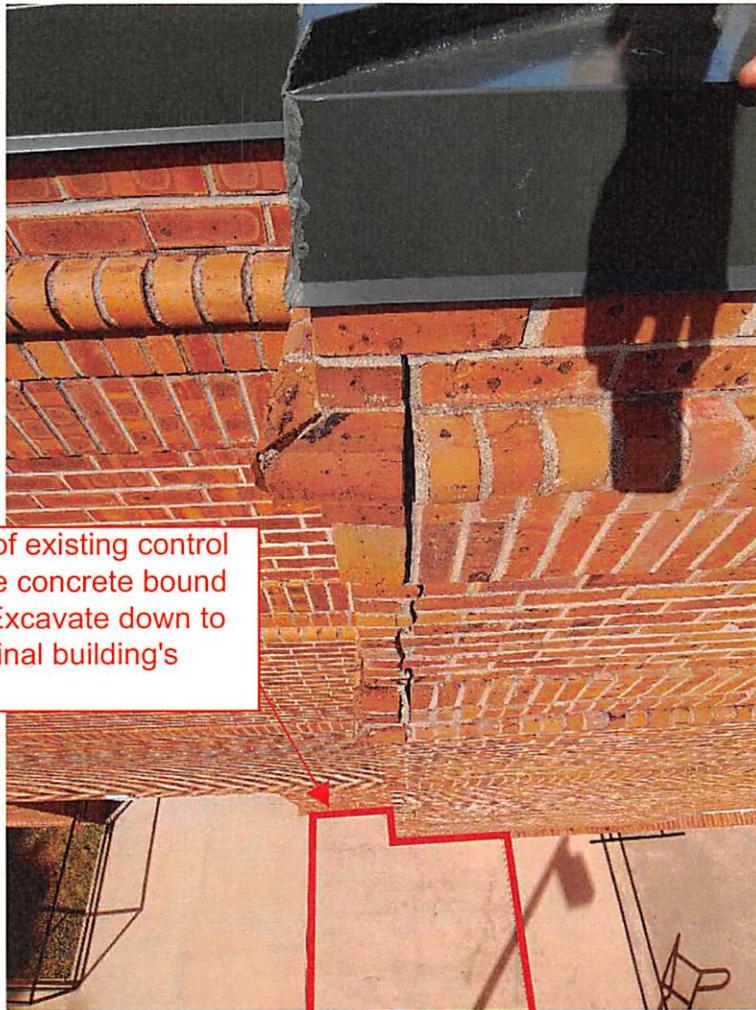


Myrtle Beach High School Brick Veneer Crack Repair at Northwest Wing Addition (B Wing)
Prepared by the J C Hollingsworth Co.
August 11, 2023

Bid Only - Not for Permitting or Construction

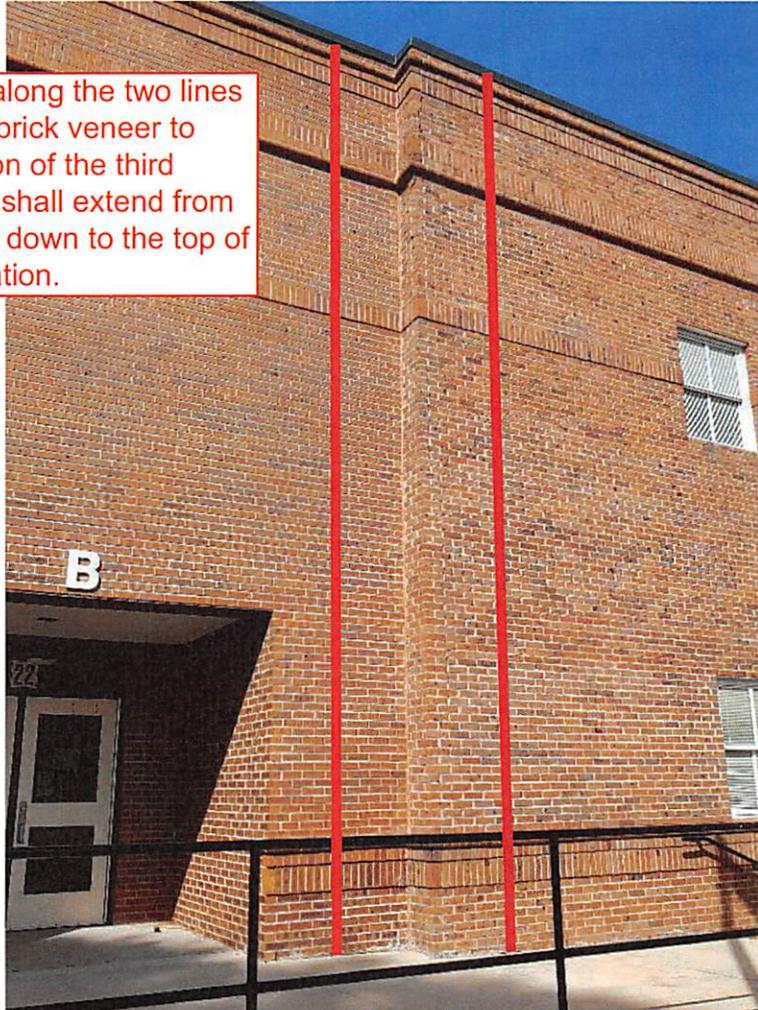
1. Combine best matching brick and mortar selections into two 24" x 24" (min.) mock-up panels for owner review and approval prior to ordering materials. Construct one panel for original building, and one panel for addition. Provide cost for custom brick staining if determined necessary for adequate match. Contractor's bid shall include salvaging no less than 50% of the brick removed from each construction phase. Salvaged brick will be cleaned and blended with new to enhance match.
2. Provide and install safe entry and egress passage for pedestrians as agreed upon and approved by owner. This and all other safety provisions are beyond the scope of this repair document, and shall be the responsibility of the Contractor. All general conditions related to use of site and payment terms shall be coordinated directly with owner.
3. Contractor shall provide continuous weather protection for the full repair process.
4. Remove portion of walkway concrete slab on grade as shown below, and excavate as required to fully expose concrete footings from both the addition and the original building. Cuts shall be clean enough to neatly pour against.

Cut along center of existing control joints, and remove concrete bound by red polygon. Excavate down to the top of the original building's footing.



4. Cut existing veneer along (3) lines shown in supplemental photo and detail below, and remove brick. Remove additional brick at foundation level as required to completely uncouple the addition footing from the veneer of the original structure. Salvage a minimum of 50% of the original brick for blending with existing in the interest of enhancing match. Contractor's bid shall include removing and replacing metal parapet cap if necessary for removing all specified brick.

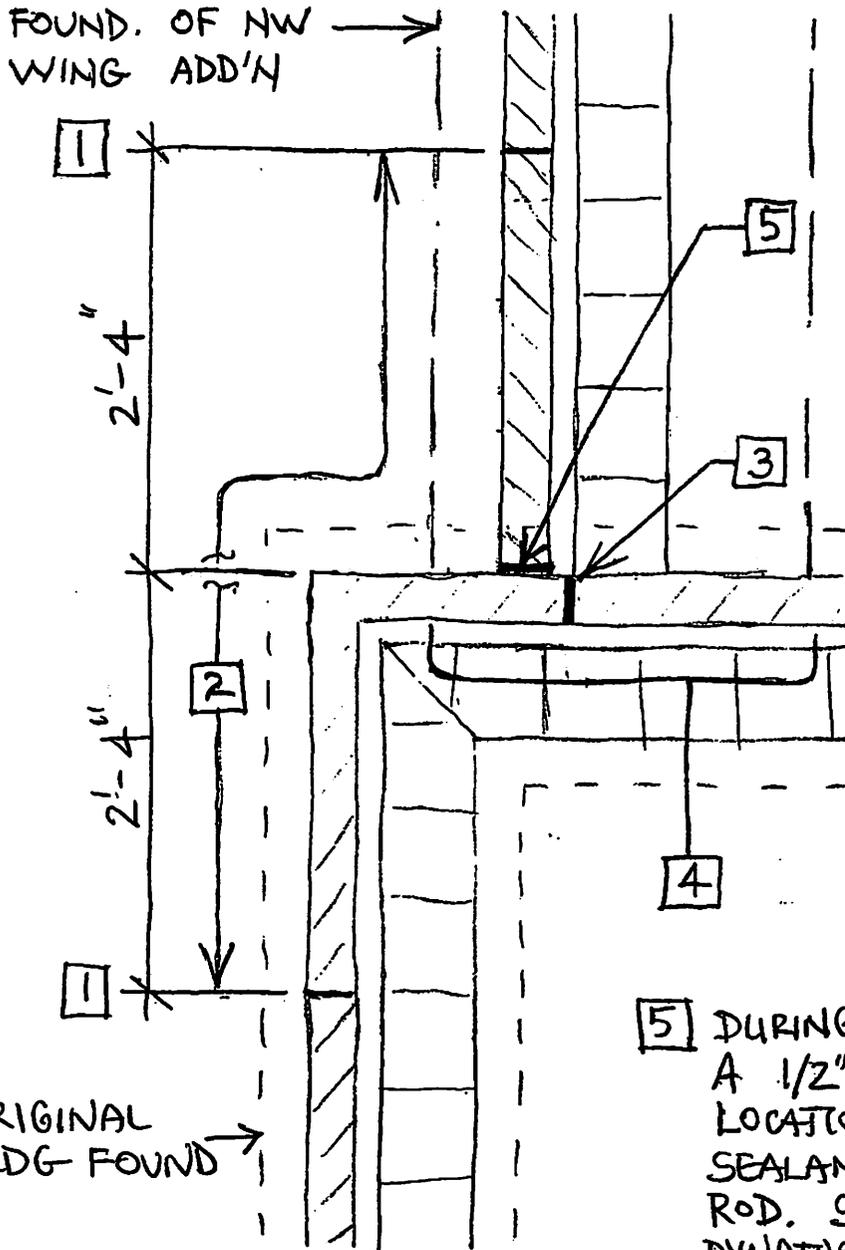
Cut brick veneer along the two lines shown. Remove brick veneer to expose the location of the third vertical cut. Cuts shall extend from the top of parapet down to the top of supporting foundation.



MYRTLE BEACH HIGH SCHOOL
NORTHWEST WING BRICK VENEER CRACKING

1 CUT BRICK VENEER AT CLOSEST JOINT TO DIMENSION SHOWN. FROM TOP OF PARAPET DOWN TO FOUNDATION.

2 REMOVE ALL BRICK VENEER FROM TOP OF WALL DOWN TO TOP OF FOUNDATION.



3 CUT BRICK VENEER FLUSH WITH FACE OF CMU WALL FROM TOP OF PARAPET DOWN TO TOP OF FOUNDATION. CUT JOINT PLUMB AND CLEAN TO ALLOW FOR FULL-HEIGHT 1/2" WIDE JOINT DURING RECONSTRUCTION.

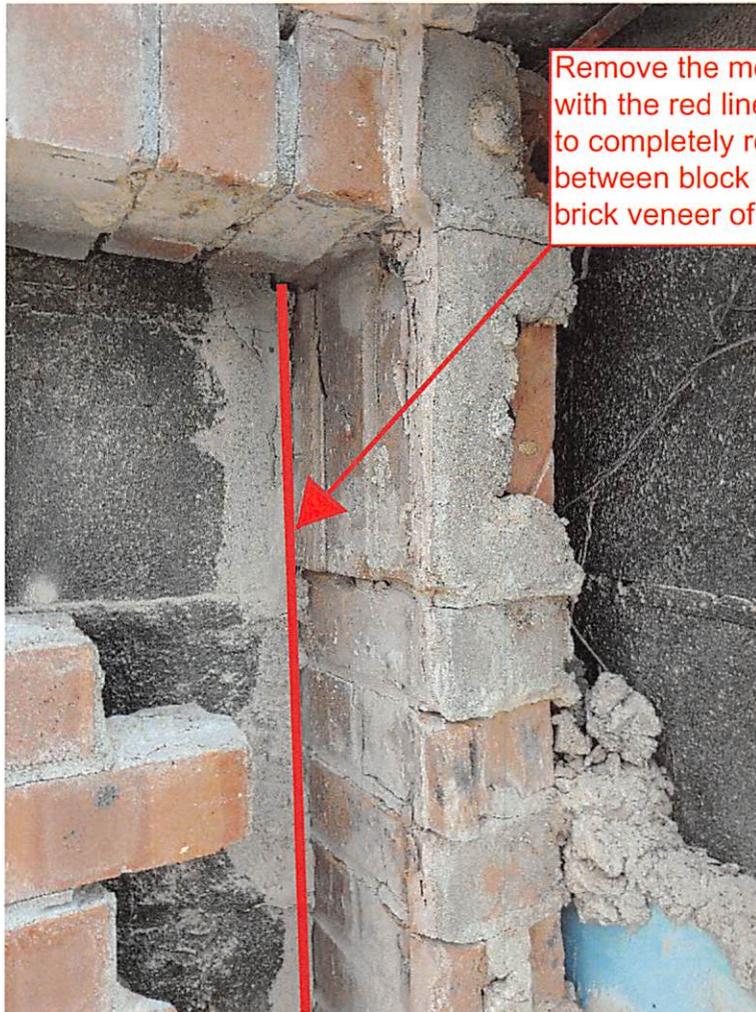
4 REMOVE ADDITIONAL BRICK AT FOUNDATION LEVEL ONLY TO DISSOCIATE ADDITION FOOTING FROM ORIGINAL BRICK.

5 DURING RECONSTRUCTION, CREATE A 1/2" CONTROL JOINT AT THE LOCATION INDICATED. INSTALL SEALANT JOINT WITH BACKER ROD. SEALANT TO BE PECORA DYNATROL I-XL OR EQUAL.

SUPPLEMENTAL DETAIL 4A

BRICK VENEER REMOVAL, STRUCTURAL DETACHMENT, AND CONTROL JOINT LOCATIONS

5. Remove full height mortar joint from top of parapet down to top of footing where new CMU wall intersects existing brick veneer wall (see photo below).



6. Install new brick veneer (blended with cleaned existing brick as agreed upon with owner) as described below:
 - a. Create the two control joints shown in Supplemental Detail 4A. New control joints shall extend from top of foundation up to top of parapet. Control joints shall be straight and of uniform width for their full heights. Joints at "end cuts" shall be toothed in.
 - b. Install new brick veneer using existing wall ties.
 - c. Tool joints to match existing as closely as possible.
 - d. Reinstall brick veneer such that no rigid bond is created with the original building.
 - e. Integrate new through-wall flashing with existing flashings at first and second floor levels with Mortar Net Wall Defender drainage promoter or equal. New flashing shall match existing in terms of geometry and material type.
 - f. Install new head joint weeps at original locations, with bottom of weep level with or just above top of ground level slab.
7. Replace sidewalk concrete with 3,000 p.s.i. mix in general accordance with the following:
 - a. Backfill and compact soil
 - b. Confirm bounding demolition cuts are straight and neat.
 - c. Install (4) - 8" long equally-spaced smooth steel dowels 4" into existing slab at each end of replacement segment. Secure smooth dowels with epoxy anchoring adhesive by Hilti or equal. Confirm exposed ends of dowels are burr-free, and grease the projected ends prior to placement of new concrete.
 - d. Install ½" expansion material along brick walls on each side of sidewalk. Wrap and secure expansion material around guard rail post.
 - e. Place new concrete with finish to match adjacent. Cure concrete with wet burlap and polyethylene for seven days.
8. Thoroughly clean work area and adjacent area.