BRICK LEDGE EXTENSION - Technical Bulletin

The NUDURA® Wall System is an insulated concrete form utilized in all types of construction. NUDURA® Corporation is pleased to introduce the molded Brick Ledge Extension (BLE), which can be used on all wall cores.

The various form units have cores of 4" (102mm), 6" (152m), 8" (203mm), 10" (254mm) and 12" (305mm), with an overall thickness of 9 1/4" (235mm), 11 1/4" (286mm), 13 1/4" (337mm), 15 1/4" (387mm) and 17 1/4" (438mm) respectively. The BLE can be used at any elevation on the wall on either side. The form is 32" (813mm) long x 13 1/2" (343mm) deep.

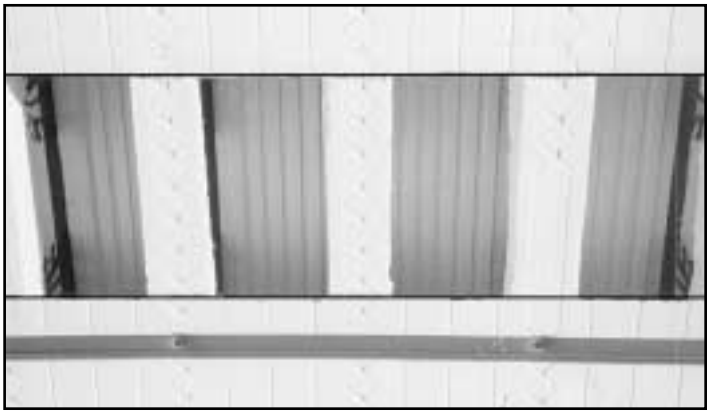
Step of any height increments in the BLE can accommodate any brick or stone size. This feature can prove to be very useful for supporting entry slabs and other applications. It should be noted that different elevations will require different stirrups.

Steps to Follow:

1. Establish the height for the brick ledge extension to be installed. Remember, the BLE can be installed in step increments or on any desired angle (see back).

2. Measure down from the established brick ledge elevation 10" (254mm) and 13" (330mm).

3. Chalk all three lines. The upper two are the cut lines. Cut vertically on each side of the web to create a pocket 6" (152mm) wide. Cut out EPS pocket. The lower horizontal cut should be on an angle (45 degrees) to facilitate the concrete placement. Key hole saw, reciprocating saw or hot knife are best for this task.



4. Fasten starter strip on the bottom line with drywall screws at 16" (406mm) c/c.

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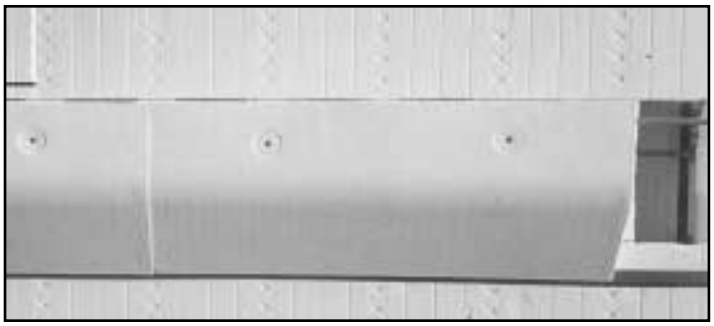
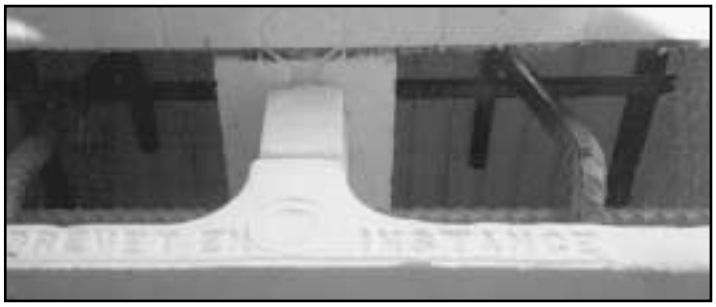


5. Place BLE molded form in starter strip. Attach using two No. 10 x 6" (152mm) screws with polypropylene washer for EPS. The fastener should be attached 8" (203mm) from the end of the molded form resulting in 16" (406mm) c/c.

REBAR PLACEMENT When placing rebar it is recommended to use the lower position on the opposite side of the BLE. A contact splice should be used to maintain the bar alignment. This practice will keep the stirrup length uniform. The #3 or #4 bar (10M bar) in the BLE is a support bar for the stirrup, it is not required to overlap this bar. End to end splices are acceptable. (See 6. and 7.)

6. **CONCRETE PLACEMENT**
An ICF concrete mix with a slump of 5" (127mm) to 6" (152mm) is recommended. Concrete should be placed in lifts of 3' (0.9m) to 4' (1.22m) to approximately 1' (305mm) over the BLE elevation.



7. **CONSOLIDATION** Internal or external vibration can be used to consolidate the concrete. A 1" (25mm) vibrator inserted in the brick ledge extension will be most effective without increasing form pressure in the pocket. A NUDURA® External Air-Driven vibrator with accessory attached can also be used to achieve proper consolidation.

ORDERS AND PACKAGING

There are 14 brick ledge extensions in a package. The starter strips are sold in packages of 100' (30.5m) (10 lengths of 10' (3.05m)). The 6" (152mm) fastening screws (No. 10) and the polypropylene washers come in boxes of 100 sets.

ADDITIONAL APPLICATIONS