

# AFCO Hurricane Brackets / Patent Pending

## INSTALLATION INSTRUCTIONS



**AFCO**  
Columns and Railings  
a Division of AFCO Industries, Inc.

### 1 Set Includes:

- 4ea - Bracket Sets
- 8ea - Bolts
- 8ea - Nuts
- 8ea - Lock Washers
- 4ea - Lag-Master Screws
- 4ea - Tapcon Concrete Screws

- Step 1: Assemble columns per instructions provided with the columns.
- Step 2: With column on protected surface, slide the cap and base onto the column shaft and position at least two feet from each end. Secure cap and base with tape to prevent movement.
- Step 3: Place outside plates(s) flush with end of column and clamp to column shaft to prevent movement. Drill 1/4" hole, then position inside plate and mount full assembly with bolts, washers and nuts provided; make certain nuts are oriented to the inside of column and tighten with wrench. If the post is to be located at the corner of the structure, you should attach additional brackets. (Repeat process on opposite side and other end of column.)
- Step 4: Place column in opening and lower upper beam to apply load.
- Step 5: Remove tape and slide the cap and base into position to check alignment. Adjust column position as necessary, then re-secure the cap and base away from each end of the column shaft to allow working room; mark hole locations on floor and upper beam. Make certain plates and fasteners make contact with overhead beam and structural element below; add additional supports as necessary.
- Step 6: Lift upper beam, remove column and, using a 3/16" diameter bit, pre-drill concrete to receive blue Tapcon screws; hole depth must be at least 1/4" deeper than Tapcon embedment; make certain hole is free of dust and debris.
- Step 7: Reposition column, apply load and then insert Tapcon concrete screws using a nut drive or # 3 bit tip. Do not over torque screws. Use cardboard or other suitable barrier to protect the column from damage while tightening the anchor screws. Next, insert self-drilling wood fasteners into overhead beam. (Check with distributor for additional lag screws for wood floor installation.)

### *Optional Installation Instruction: If AFCO Hurricane Bracket System is installed along with AFCO Load Bearing Plates:*

1. Prior to repositioning column in step 7, bearing plate should be marked in alignment with holes located in front and back plates and pre-drilled.
2. Insert provided Lag-Master screws through both the front and back plates and the bearing plate into the upper beam.
3. Once in place, bearing plate can be pre-drilled to accept additional Lag-Master screws to engage overhead beam for increased holding value.

***The AFCO Hurricane Bracket System has been designed to resist a wind load of 150 mph, based on ASCE-7-02. Computations available upon request. The job specific connection design remains the responsibility of the professional of record for the job.***

# AFCO Hurricane Brackets (cont.)

