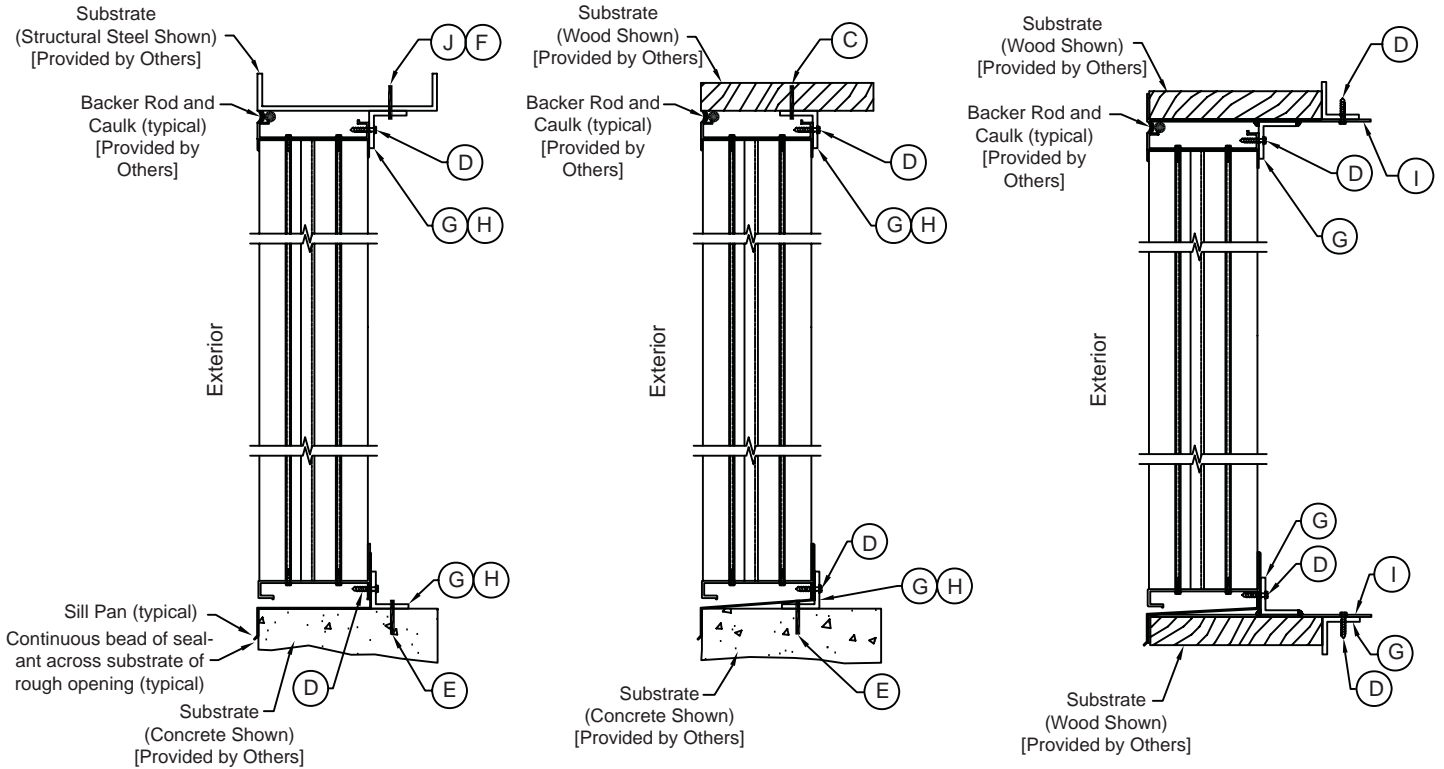


# Standard Installation

## Hurricane Louver Model: A680, X6VW, IL69

**General Notes:**

1. The A680, X6VW, IL68 louver system has been designed and tested in accordance with the Florida Building Code (FBC) and Protocols TAS-201, 202, and 203.
2. The A680, X6VW, IL68 louver system is qualified for "Enhanced Protection" for Essential Facilities Applications via the successful testing of Large Missile Test at 80 F/S) and cyclic load tests as specified by ASTM 1886/1996.
3. This system has been tested for water infiltration resistance, TAS-100, and is a water resistant system when an approved damper is installed with the louver panel (see Approved Dampers Chart below).
4. It shall be the responsibility of the permit holder to verify the structural integrity of the existing structure to support the loads superimposed by the louvers.
5. Louver panels may be butted together to infinite width with a maximum height of 96". Maximum single panel shall be 48"W x 96"H.
6. Muller panels may be horizontally installed to an unlimited number.
7. Separation of dissimilar materials must be maintained per all applicable codes.
8. Backer Rod and caulk are provided by others and required at all louver (sleeve) to substrate seams as well as all vertical mullions.



**Mounting Angle Leg Out**

**Mounting Angle Leg In**

**Sleeve Mounting Angle Leg Out**

| Maximum Allowable Design Wind Pressure |                           |          |          |
|--|---------------------------|----------|----------|
| Fastener C/C (X)                       | Fastener End Distance (Y) | Positive | Negative |
| 4"                                     | 6"                        | 150 PSF  | 150 PSF  |
| 8"                                     | 4"                        | 75 PSF   | 75 PSF   |
| 12"                                    | 2"                        | 50 PSF   | 50 PSF   |

| Fastener Schedule |                       |                         |                   |                       |
|-------------------|-----------------------|-------------------------|-------------------|-----------------------|
| Anchor Type       | Notes                 | Substrate               | Minimum Embedment | Minimum Edge Distance |
| E                 | 1/4" Concrete Screw   | (1) Concrete            | 1 1/4"            | 2"                    |
| F                 | 1/4" Bolt             | (2) Steel or Metal Stud | Full              | 3/4"                  |
| B                 | #10 Tek Screw         | (4) Metal Stud          | Full              | 3/4"                  |
| D                 | #10 Sheet Metal Screw | (3) Sleeve              | Full              | 3/4"                  |
| C                 | #10 S.S Wood Screw    | (3) Wood                | 1 1/4"            | 3/4"                  |
| J                 | #14 Tek Screw         | (4) Steel               | Full              | 3/4"                  |

| Substrate Type      | Requirement                          |
|---------------------|--------------------------------------|
| Wood                | Min. Grade 2<br>G = 0.55 Density Min |
| Steel or Metal Stud | 16-GA Min Fy = 33 ksi                |
| Concrete            | 3000 psi Min                         |
| Structural Steel    | 12-GA Min Fy = 36 ksi                |

| Material Schedule |   |
|-------------------|---|
| G                 | 2" x 2" 6063-T5 Extruded Aluminum Angle |
| H                 | 2" x 4" 6063-T5 Extruded Aluminum Angle |
| I                 | 5052-H32 x .125" Aluminum Sleeve        |

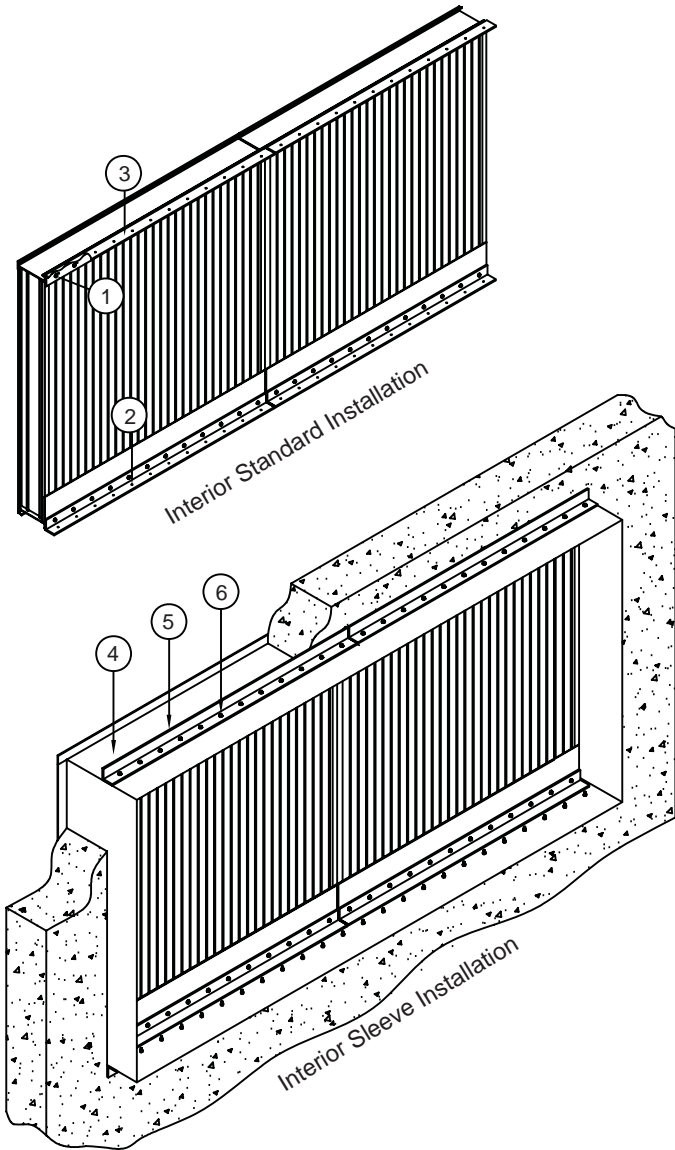
| Approved Dampers |          |       |         |       |
|------------------|----------|-------|---------|-------|
| Division         | Parallel |       | Opposed |       |
| ABI              | AC525    | AFD20 | AC526   | AFD20 |
| Cesco            | AAAA     | AFD20 | AAAB    | AFD20 |
| L&D              | A28      | AFD20 | A29     | AFD20 |

- (1) Concrete screws shall be ITW Ramset/Red Head or Elco Tapcons, Hilti Kwik-Con II or Powers Rawl Tapper. (Hardened Steel or S.S. per AISI 1021 & 410)
- (2) Bolt shall be minimum A307 galvanized or 304 S.S (Fv = 10,000 PSI MIN.)
- (3) SMS/Wood screws shall have minimum yield strength of Fyb = 80,000 PSI
- (4) Self tapping screws shall be corrosion resistant minimum SAE. Grade 2 Steel or minimum alloy group 1, 2 and 3 condition "A" Stainless Steel



# Standard Installation

## Hurricane Louver Model: A680, X6VW, IL69



|                       | Wood | Concrete | Steel |
|-----------------------|------|----------|-------|
| Standard Installation |      |          |       |
| 1                     | B    | B        | B     |
| 2                     | C    | E        | J/F   |
| 3                     | G/H  | G/H      | G/H   |
| Sleeve Installation   |      |          |       |
| 4                     | I    | I        | I     |
| 5                     | G/H  | G/H      | G/H   |
| 6                     | C    | C        | C     |

| Louver Installation Key |   |
|-------------------------|---|
| B                       | #10 Tek Screw                           |
| C                       | #10 S.S. Wood Screw                     |
| D                       | #10 Sheet Metal Screw                   |
| E                       | 1/4" Concrete Screw                     |
| F                       | 1/4" Bolt                               |
| G                       | 2" x 2" 6063-T5 Extruded Aluminum Angle |
| H                       | 2" x 4" 6063-T5 Extruded Aluminum Angle |
| I                       | 5-52-H32 x .125" Aluminum Sleeve        |

Isometric views above depict interior mounting details as shown on front page illustrations.

### Angle Hole Details

