# CORROSION PREVENTION & CONTROL (CPC) DOORS Knowledge Area

*by Joseph C. Dean, P.E., for the Director,* [Corrosion Policy & Oversight](https://www.corrdefense.org/Default.aspx) *(D, CPO) [OUSD (AS)]*

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Summary Information

The list that follows is provided as expansive information in support of the *Doors Knowledge Page.* While it is not a complete list, it does provide insights into the complexity of the design and sustainment of door systems.

**Door Types Summary**

* Steel Doors (Standard, Heavy Duty, Extra Heavy Duty, Maximum Duty)
* Custom Hollow Metal Doors
* Insulated Steel Door Systems
* Sound Rated Steel Doors
* Aluminum Doors
* Metal Storm Doors
* Sliding Metal Doors
* Overhead Coiling Doors
* Overhead Roll-up Doors
* Vertical Lift Doors
* Corrosion Control Hangar Doors
* Steel Sliding Hangar Doors (e.g. Individually Operated, Floating Group, Anchored Group)
* Rolling Service and Fire Doors
* Fire and Smoke Doors
* Oversized Doors
* Sectional Overhead Doors
* Blast Resistant Doors (Oval Arch Magazines)
* Fiberglass Doors
* Typhoon Shutters
* Store Fronts
* Exterior Louvers (and Screens) (see *MDACS* p95)
* Fire Rated Doors and Frames
* Oversized Coiling Fire-rated Door Assemblies
* Interior Doors (as relates to micro-environment and moist high ESC Zones)
* Wood Doors and Frames (not to be used on exterior and in high ESC Zones)

**Door Materials and Finishes Summary**

* Hot-dipped galvanized steel, bonderized, baked enamel finish
* Stainless Steel
* Aluminum (anodic, organic coatings)

**Exterior Door Accessories Summary**

* Frames (Steel, Aluminum)
* Springwires
* Tracks
* Counterbalances
* Chain Host Operators and Drives
* Brakes, Clutches, Weather/Smoke Seal Sensing Edge
* Push-Up Operators
* Hinges
* Brackets
* Rollers
* Locking Devices
* Motors
* Controls
* Entrapment Protection Devices
* Weather Seals and Sensing Edges
* Weather Stripping
* Curtain Materials
* Non-Insulated Curtains
* Insulated Curtains
* Curtain Bottom Bar
* Locks and locking devices
* Safety Interlock
* Overhead Drum
* Slats
* Hardware
* Equipment Supports
* Hood
* Counter-Balancing Mechanism and Barrels
* Spring Balance
* Torsion Rod for Counter Balance
* Manual Door Operators
* Manual Push-up Door Operators
* Manual Chain Hoist Door Operators
* Manual Crank-Hoist Door Operators
* Electric Door Operators
* Electric Component (Motors, Bearings, Starters, Controls, Enclosures)
* Transformers
* Safety-Edge Device
* Remote-Control Stations
* Speed-Reduction Units
* Wheel Assemblies
* Fixed-Pancake Top-Guide Rollers
* Vertical Floating-Head Top-Guide Rollers
* Personnel Doors, Frames and Hardware
* Electrical Interlock
* Operating Units and Braking Systems
* Limit Switches (Plunger-Type, Lever-Arm-Type)
* Safety Edges
* Warning Device
* Louvers (Interior, Exterior)
* Astragals
* Moldings
* Insulation Cores
* Standard Steel Frames (Welded, Knock-Down, Mullion and Transom Bars, Stops and Beads, Terminated Stops, Cased Openings, Anchors)

**Submittals Summary**

* Manufacturer’s and Installer Qualifications
* Shop Drawings
* Product Data
* Design Data
* Closeout Submittals
* Operation and Maintenance Data
* Design drawings covering door structure, operating devices, mechanical systems and “U” value
* Construction details, installation and operations, thickness of materials, joints and connections, reinforcing, hardware, mechanical devices, electrical devices, design and detail date for work other trades affected by hangar doors
* Schematics (e.g. compressed air, wiring, piping, related equipment, etc.)
* Hangar door electrical details, design drawings, data, wind loads, deflections, connections, cold-formed steel members

**Quality Assurance and Manufacturer’s Qualifications**

* Qualifications delineated in criteria
* Installation supervised by manufacturer’s representative with explanation of qualifications
* Warranty
* Delivery and storage requirements to include storage and handling to prevent damage

**Exterior Door Hardware and Locks**

* See UFGS 08 71 00 *Door Hardware*