CORROSION PREVENTION & CONTROL (CPC) DOORS KNOWLEDGE AREA

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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 related 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 Bars
• Locks and Locking Devices
• Safety Interlock
• Overhead Drums
• Slats
• Hardware
• Equipment Supports
• Hoods
• Counter-Balancing Mechanism and Barrels
• Spring Balances
• Torsion Rods 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 Devices
• 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 Interlocks
• Operating Units and Braking Systems
• Limit Switches (plunger-type, lever-arm-type)
• Safety Edges
• Warning Devices
• 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, including storage and handling to prevent damage

Exterior Door Hardware and Locks

- See UFGS 08 71 00 Door Hardware