



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

**STANDARD SPECIFICATIONS
FOR AGENCY-OWNED
BUILDINGS, FACILITIES AND OTHER INFRASTRUCTURE**

ACCEPTABLE MANUFACTURERS

THERMAL AND MOISTURE PROTECTION

Building Insulation

Rigid/Board Insulation: Amoco Foam Products Co., The Dow Chemical Company, and UC Industries
Blanket/Batt Insulation: Certain Teed Corp., Manville Corp., Owens Corning Fiberglass Corp.

Siding

Wood Siding: Exteria

Vinyl Siding: Alcoa Building Products, Certain Teed Corp., Georgia-Pacific Corp., ABTCO, and Mitten

Fiber Cement: James Hardie

Fire Protection Barrier: Georgia-Pacific or Cabot – 5/8” gypsum board (1-hour rating per layer)

Air Infiltration Barrier: Tyvek by DuPont

Roofing Materials

Asphalt Shingles: GAF Timberline or IKO Industries

Sheet Metal Panels: Berridge Manufacturing Company, Petersen Aluminum, Firestone Una-clad, Fabral

Roofing Accessories

Self-Adhesive Ice and Water Shield Membrane: Grace, Georgia Pacific, GAF or Henry

Unperforated asphalt saturated organic felt underlayment (30#): Georgia Pacific

Synthetic underlayment: GAF, Grace, Tarco or Typar

Metal Panel Systems

Standing Seam Roof Panel Systems: Centria, Kingspan, IPS – Insulated Panel Systems, Metl-Span

Joint Sealers

Urethane Elastomeric Joint Sealants: Pecora Corp., Sika Corp., Tremco, Geocel

Silicone Elastomeric Joint Sealants: Dow Corning, GE Silicones, Tremco, Geocel

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DOORS AND WINDOWS

Windows

Windows (New Construction or Replacement): Andersen, Pella, Marvin, Atrium North East, Thermo-Tech, Silverline or Quaker

Doors

FRP Doors and Fiberglass Resin Transfer Molded Door Frames (Heavy Duty): Chem-Pruf Door Co., Ltd., Tiger Door Company, LLC

Hollow Metal Doors and Frames: Ceco

Doors (Standard): Andersen, Pella, Therma-Tru

Door Hardware

ASSA ABLOY Companies (Manufacturers as listed below), Ingersoll-Rand Companies – obtain each type of finish hardware from a single manufacturer.

Hinges: McKinney, Bommer

Flush Bolts and Accessories: McKinney, Rockwood, Trimco

Cylinders and Keying: Sargent, Corbin Russwin, Yale

Mortise Locksets: Sargent, Corbin Russwin, Schlage, Yale

Electric Strikes: HES, Folger Adams

Door Closers: Norton, Corbin Russwin, Sargent, Yale, LCN

Door Stops and Holders: McKinney, Rockwood, Trimco

Gasketing and Thresholds: McKinney, Pemko, Reese, Zero

FINISHES

Flooring

Resinous Flooring: Tennant, Stonhard, Dex-O-tex, Armstrong

Painting

Paint: Benjamin Moore, Sherwin Williams, Pittsburgh

SPECIALITIES

Toilet Partitions, Privacy Screens and Shower Compartment Partitions: Comtec Industries / Capitol Partitions, Global Partitions, Bobrick Washroom Equipment

Wall Louvers: Airline Products, Airlite, Construction Specialties

Signage: ASI Sign Systems, Vormar Products, The Supersine Co., Andco Industries

Toilet and Bath Accessories: Bobrick Washroom Equipment, A&J Washroom Accessories, Bradley Corp., GAMCO, McKinney/Parker

MECHANICAL

Boilers: Buderus, Viessmann Manufacturing Co. (US) Inc., Burnham Hydronics, Weil-McLain
Air Conditioning Systems: Heil, Carrier, Trane

Pressure Gages and Thermometers: Weiss, Weksler, Ashcroft

Supports and Anchors: Bee line, Grinnel, Power Piping Co., Empire Tool Manufacturing

Vibration Isolation and Seismic Restraints: Mason Industries, Inc.

Mechanical Insulation: Manville, Certain Teed, Manson, Owens Corning, Knauf

Soil, Waste and Vent Piping

Soil and waste, and vent piping shall be schedule 40 PVC plastic pipe

Sanitary drainage piping buried outside the building shall be schedule 40 PVC plastic sewer pipe

Water Distribution Piping

Ductile Iron Pipe 4 inches and Larger: AWWA C151, Class 50 minimum.

1. Lining: AWWA C 104, cement mortar, seal coated.
2. Gaskets: AWWA C111.
3. Ductile Iron and Cast Iron Fittings, AWWA C110 or AWWA C153, 250 psi minimum pressure rating; AWWA C 104 cement mortar lining; AWWA C111 rubber gaskets.

PVC Pipe 4 inches and Larger: AWWA C900, Class 150.

1. Gaskets: ASTM F 477, elastomeric seal.
2. PVC Couplings and Fittings: AWWA C900 with ASTM F 477 elastomeric seal gaskets.
3. Ductile Iron and Cast Iron Fittings, AWWA C110, 250 psi minimum pressure rating; AWWA C 104 cement mortar lining; AWWA C 111 rubber gaskets.

Distribution Valves

Nonrising stem gate valves 3 inches and larger: AWWA C500

Rising stem gate valves 3 inches and larger: AWWA C500 or AWWA C509

Nonrising stem gate valves 2 inches and smaller: MSS SP-80

Valve Accessories: Cast-iron valve boxes, curb stops, and service boxes for curb stops

Tapping sleeve and tapping valve for new connections larger than 2 inches

Service clamps and corporation stops for new connections 2 inches and smaller

Domestic Water Piping

Water piping buried within 5 feet of building – Type K copper tubing

Water piping above grade – Type L copper tubing

PEX Tubing, Fittings, and Valves: Uponor

Valves

Ball valves shall be used in sizes 2-inches or less. Gate valves shall be used in sizes greater than 2-inches.

Ball valves: Milwaukee BA-400S (sweat or threaded ends). Or equal by Nibco or Stockham.
Gate valves for piping 2-inch to 3-inch: Milwaukee 115 (sweat) or equal by Nibco or Stockham
Gate valves for piping 4-inches or greater: Milwaukee F-2885 (flanged) or equal by Nibco or Stockham

Plumbing Fixtures

Plumbing fixtures are to be specified in common manufacturer, packaged units where available and possible.

Toilets: Sloan, American Standard, Kohler, or Eljer
Urinals: Sloan, American Standard, Kohler, or Eljer
Lavatories: Sloan, American Standard, Kohler, or Eljer
Toilet Repair Parts: American Standard, Fluidmaster, Solder Seal, or Hercules
Mop Basin: Fiat or approved equal
Wall Hydrants: Woodford, Wade, Zurn
Drinking Fountains: Halsey Taylor

Plumbing Accessories

Toilet Seats: Olsonite, Church
Flush Valves: Sloan, Zurn
Faucets: Chicago Faucet, TS Brass, Delta
Shower Valves: Powers, Symmons
Traps, fixture stops, supplies etc.: Brass Craft, Central Brass, McGuire Mfg.
Lavatory and sink trap insulation: Truebro
Shock (Water Hammer) Arrestors: Precision Plumbing, Watts, Wade
Floor Drains: Wade, Zurn, Smith, Josam
Flushometers (exposed, hard-wired preferred): Sloan, Zurn, Kohler

Electric Domestic Water Heaters

Electric domestic hot water heaters: A.O. Smith, Lochinvar Corporation, Rheem, Ruud, Bradford White
Compression Tanks: AMTROL Inc., Armstrong Pumps, Inc., Taco, Inc., Watts & Regulator Co., Wessels Co., Bell & Gossett

Drinking Water Wells

Submersible Well Pumps: Goulds, Myers, Grundfos
Watertight Well Caps and Pitless Adapters: American Granby, Campbell, Monitor
Torque Arrestor: American Granby
Water Meters: Neptune

Pumps and Accessories

Circulator Pumps: Taco, Grundfos
Pressure Gauges: Campbell, Wal-Rich
Pressure Switches: Square D
Pump Control Box: Centripro, Franklin Electric

ELECTRICAL

Wiring Devices: Hubbell, Leviton, Arrow-Hart, Bryant, Pass and Seymour

Service Entrance: General Electric, Square-D, Cutler Hammer, Siemens, Milbank, Murray

Motor and Circuit Disconnects: General Electric, Cutler Hammer, Square D, Siemens, Murray

Panelboards: General Electric, Square D, Cutler Hammer, Siemens

Motor Starters and Contactors: General Electric, Square D, Cutler Hammer, Siemens

Ballasts: Advance, Valmont, Universal

Lighting Controls/Sensors: Tork, Intermatic

Outdoor Light Fixtures: RAB Lighting, Lithonia, Cree, Cooper

Indoor Junction Boxes: Bell, RACO, Hoffman

Outdoor Junction Boxes: Bell, RACO, Hoffman, Scepter (PVC), Quazite, Carlon (PVC)

Bulbs: Sylvania, General Electric, Phillips, Cree

Fuses: Busmann, Limitron

Connectors: RACO, Arlington, IlSCO, Burndy, Greaves, Bridgeport

Signal: Edwards, General Electric

DATA AND TELECOMMUNICATION NETWORKS

Data Network Cabling (Fiber): Corning

Data Network Cabling (Copper): Berk-Tek, Mohawk

Data Network Patch Panel (Fiber): Corning

Data Network Patch Panel (Copper): Leviton

Voice Network Cabling: General Cable

Voice Network Lightning Protection: Circa

Miscellaneous (Jacks, Faceplates, Supports, etc.): Leviton, Hubbell, Panduit, Wiremold, Allentel

IP Voice Gateways (PBX): Avaya

Paging/Intercom: Valcom

Network Devices: Cisco

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