

DIVISION 1

GENERAL

AIA Document A201, General Conditions of the Contract for Construction, 2017 Edition, are hereby incorporated into the contract documents as if completely reproduced herein, except as specifically modified by the contract documents.

All work shall be in accordance with all federal, state, and local codes, applicable laws and regulations, and all applicable requirements of regulatory agencies. If there is conflict among the drawings, specifications, other contract documents, codes or regulations, the strictest standards shall apply. The contractor shall notify the Architect immediately if there is such a conflict with the contract documents.

Items of work indicated on the drawings, but not specified, and items of work specified, but not shown on the drawings, shall be considered required, as indicated in both. Drawings are intended to show general arrangement, design and extent of work, and are partly diagrammatic. They are not intended to be scaled for rough-in measurements or to serve as shop drawings.

The Contractor shall be responsible for obtaining all permits and licenses required for the work, and all fees and costs associated with licensing. Contractor shall be responsible for all permitting fees and costs.

The Contractor shall verify all project conditions, dimensions, and details prior to the commencement of construction. Immediately notify the Architect in writing of any discrepancies in the documents for correction by the Architect prior to proceeding with the work.

If any errors or omissions appear in the drawings, specification or other documents, notify the Architect in writing prior to proceeding with the work in question. In the event the contractor fails to give such notice, the contractor is held responsible for the results of any such errors, and the cost of rectifying this work.

All work shall be performed by skilled mechanics experienced in their respective fields. Install and remove equipment, equipment to be removed and reinstalled; disconnect and cap services and remove, clean, and store equipment; when appropriate, reinstall, connect, and make equipment operational. Equipment to be removed and salvaged; disconnect and cap services and remove equipment and deliver to Owner. Ducts to be removed; remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material. Ducts to be abandoned in place; cap or plug ducts with same or compatible ductwork material and leave in place. Refer to Mechanical, Electrical, and Plumbing drawings for additional direction and details.

Refer to general, supplementary and special conditions, and requirements indicated in this Division. Typical construction requirements shall apply to the work of all sections, even if not specifically indicated for applicable work.

Each subtrade shall be responsible for reviewing all the contract documents, and noting the work as applicable.

As work progresses, keep the project site free from accumulation of waste materials, debris and rubbish. At the completion of the project, remove from the building and surrounding areas all waste materials, debris, equipment, tools, and scaffolding. Surplus materials not otherwise indicated to be retained by the owner shall also be removed from the site.

COORDINATION

Coordinate construction operations included in the various trades of the work to assure efficient and orderly installation of each part of the work. Coordinate construction of related trades that depend on each other for proper installation, connection, and operation.

Schedule construction operations in the sequence required to obtaining the best results where installation of one part of the work depends on the installation of other components, before or after its own installation.

Make provisions to accommodate items scheduled for later installation.

Inspection of conditions: Require the installer of each major component to inspect both the substrate and conditions under which the work is to be performed.

Do not proceed until unsatisfactory conditions have been corrected in an acceptable manner. Coordinate temporary enclosure with required inspections and tests to minimize the necessity of uncovering completed construction for that purpose.

CUTTING AND PATCHING

Examine surfaces to be cut and patched and conditions in which cutting and patching is to be performed before cutting. If unsatisfactory conditions are encountered, take corrective action before proceeding.

Cut existing construction using methods least likely to damage elements retained or adjoining construction.

Restore finish of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing.

Patching of fire rated walls shall be performed such that the wall retains its fire rating.

SUBMITTALS

Coordinate submittal preparation with construction, fabrication, and other submittals, and activities that require sequential operations. Transmit in advance of construction operations to avoid delay. Submittals shall be provided for all work of the project.

Processing: Allow (7) calendar days for review. Allow more time if the Architect must delay processing to permit coordination. The Architect reserves the right to withhold action on a submittal requiring coordination until related submittals are received.

Shop drawings: Submit newly prepared information drawn to scale. Indicate deviations from the contract documents. Do not reproduce the contract documents or copy standard information. Submit one correctable, reproducible print in one blue or black line print on sheets at least 8-1/2 inches by 11 inches but no larger than 30 inches by 42 inches. The Architect will return the reproducible print.

Samples: Submit full-size samples cured and finished as specified and identical with the material proposed. Mount the samples to facilitate review of qualities. Submit samples for review of size, kind, color pattern and texture for a check of these characteristics, and for a comparison of these characteristics between the final submittal and the actual component as delivered and installed.

Product Data: Collect product data into a single submittal for each element of construction. Mark each copy to show applicable choices and options. Where product data includes information on several products, mark copies to indicate applicable information. Submit 4 copies. The Architect will retain one and return the other marked with action taken.

MATERIALS AND EQUIPMENT

Source limitations: To the fullest extent possible, provide products of the same kind from single source.

Deliver, store and handle products according to the manufacturer's recommendations, using means and methods that will prevent damage, deterioration, and loss, including theft. Store products subject to damage by the elements above ground, under cover in a weather tight enclosure, with ventilation adequate to prevent condensation. Maintain temperature and humidity within the range required by the manufacturer's instructions.

Provide dust proof temporary enclosures around construction operations.

Proprietary specification requirements: Where specifications name only a single product or manufacturer, provide the product specified. No substitutions will be permitted.

Semi-proprietary specification requirements: Where specifications name 2 or more products or manufacturers, provide one of the products indicated. No substitutions will be permitted.

Descriptive specification requirements: Where specifications describe a product or assembly, list exact characteristics required, with or without the use of a brand name. Provide a product or assembly that provides the characteristics and otherwise complies with the contract requirements.

WARRANTIES

Work shall be warranted against defective materials or workmanship for a period of one year from the date of substantial completion. Remedy any and all defects in the work upon written notification from the owner. Submit a written warranty to the owner that all materials and workmanship shall be free from defects for a period of one year after the date of substantial completion. There will be no additional cost to repair or replace any such work that is found to be defective within the warranty period.

DIVISION 2

1. Unless otherwise indicated, demolition waste becomes property of contractor.

2. Hazardous materials: If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner.

3. Storage or sale of removed items on-site is not permitted.

4. Comply with governing EPA notifications as required.

5. Verify that utilities have been disconnected and capped before starting demolition operations.

6. Refrigerant: Before starting demolition, remove refrigerant from mechanical systems according to 40 CFR 82 and regulations of AHERS.

7. Existing services/systems to remain: Maintain services/systems indicated to remain and protect them against damage.

8. Existing services/systems to be removed, relocated, or abandoned: Locate, identify, disconnect, and seal or cap off utility services and Mechanical/Electrical systems serving areas to be selectively demolished. Owner will arrange to shut off indicated services/systems when requested by contractor. Arrange to shut off utilities with utility companies. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building. Disconnect, deminish, and remove Plumbing, and HVAC systems, equipment, and components indicated on drawings to be removed. Piping to be removed: remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material. Piping to be abandoned in place: drain piping and cap or plug piping with same or compatible piping material and leave in place. Equipment to be removed: disconnect and cap services and remove equipment; when appropriate, reinstall, connect, and make equipment operational. Equipment to be removed and salvaged; disconnect and cap services and remove equipment and deliver to Owner. Ducts to be removed; remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material. Ducts to be abandoned in place; cap or plug ducts with same or compatible ductwork material and leave in place. Refer to Mechanical, Electrical, and Plumbing drawings for additional direction and details.

9. Protection: temporary protection: provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain. Temporary shoring: design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished. Remove temporary barricades and protections where hazards no longer exist.

General: Demolish and remove existing construction only to the extent as indicated. Use methods required to complete the work within limitations of governing regulations and as follows: neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chipping. Temporarily cover openings to remain. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations. Maintain fire watch during and for at least 2 hours after flame-cutting operations. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing. Dispose of demolished items and materials promptly.

Temporary Protection: Erect temporary protection as required for adjacent walkways, elevators, stairs, building entries, and other building facilities during demolition operations. Maintain exits from existing buildings.

Site access and temporary controls: conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.

Removed and salvaged items: clean salvaged items, pack or crate items after cleaning. Identify contents of containers. Transport items to Owner's storage area designated by owner. Protect items from damage during transport and storage.

Removed and reinstalled items: clean and repair items to functional condition adequate for intended reuse. Pack or crate items after cleaning and repairing. Identify contents of containers. Protect items from damage during transport and storage. Reinstall items in place. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.

Existing items to remain: protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and reinstalled in their original locations after selective demolition operations are complete.

Cleaning: remove demolition waste materials from project site. Do not allow demolished materials to accumulate on-site. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.

Burning: do not burn demolished materials. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations begin.

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DIVISION 6

CASEWORK

Plastic Laminate Cabinets
Quality Standard: AIVI Premium
Particleboard: ANSI A208.1, Grade M-2
High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or, if not indicated, as required by woodwork quality standard
Horizontal Surfaces Other Than Tops: Grade HGS
Vertical Surfaces: Grade VCS

Hinges: 3 Knuckle Hafele Aximat, 270° opening
Pulls: Hafele 117.31.436, 5" CTC Steel Bow Handle. Pull shall be free of metal burrs.
Catches: None
Shelf Rests: BHMA A156.9, B04013; metal
Drawer Slides: BHMA A156.9, B05091, Heavy Duty (Grade 1 HD-100 and Grade 1 HD-200); Side mounted; full-extension type; zinc-plated steel ball-bearing slides
Door Locks: BHMA A156.11, E07121, Coordinate keying with owner

AIVI Type of Cabinet Construction: Flush overlay
Edges: PVC edge banding, 0.12 inch thick, matching laminate in color, pattern, and finish
Materials for Semirecessed Surfaces: Thermoset decorative panels
Concealed Bases of Panels with Exposed Plastic Laminate Surfaces: High-pressure decorative laminate, Grade BK.

Countertop Supports
Supports: Basis of design AAM Hardware Standard workstation countertop brackets or approved equivalent. Surface mount, L-shaped bracket fabricated from steel with standard powdercoat finish. Bracket shall have 45 degree notch for wire passage. Sizes as required to support depths and configurations as indicated on drawings. Install at blocking or studs.

DIVISION 7

Glass Fiber Blanket insulation
Unfaced Fiberglass Insulation: ASTM C 665, Type 1, with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively, per ASTM E 84, passing ASTM E 136 for combustion characteristics. Thickness as indicated. Designated as insulation Type I-2.

DIVISION 8

ALUMINUM STOREFRONT FRAMING
Manufacturer: YKK AP America, Inc., Kawneer, EPCO, Vistawall Architectural Products, or approved equivalent
Basis of Design: Exterior, YKK AP YES 40 FS; Interior, YKK AP YES 40 FS
Standard Doors: 40 FS
Finish: YKK AP America Anodized Plus, AAMA 612
Color and Gloss: As selected from manufacturer's standard range of color and gloss.

DOOR HARDWARE

Hinges: ANSIBHMA A156.1 certified butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
Manufacturers: McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) - MacPro Series. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK). Stanley Hardware (ST).

Continuous Geared Hinges: ANSIBHMA A156.26 Grade 1-6000 certified continuous geared hinge, with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screen locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.
Manufacturers: Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).

Flush Bolts and Surface Bolts: ANSIBHMA A156.3 and A156.16, Grade 1.
Flush Bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
Furnish dust proof strikes for bottom bolts.
Manufacturers: Door Controls International (DC). Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO). Trimco (TC).

Door Push Plates and Pulls: ANSIBHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
Manufacturers: Hawaitha, Inc. (HI). Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO). Trimco (TC).

DIVISION 8 (Cont'd)

Cylinders and Keying
General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.
Cylinders: Original manufacturer cylinders complying with the following:
Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
Bored-Lock Type: Cylinders with tailpieces to suit locks.
Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
Keyway: Manufacturer's Standard

Removable Cores: Provide removable cores as specified, core insert, removable by use of a special key, and for use with only the core manufacturer's cylinder and door hardware.
Patented Cylinders: ANSIBHMA A156.5, Grade 1, certified patented cylinders employing a utility patented and restricted keyway requiring the use of a patented key. Cylinders are to be protected from unauthorized manufacture and distribution by manufacturer's United States patents.
Cylinders are to be factory keyed with owner having the ability for on-site original key cutting.
Patented key systems shall not be established with products that have an expired patent. Expired systems shall only be specified and supplied to support existing systems.
Manufacturers: Corbin Ruswin (RU) - Access 3 AP.
Sargent (SA) - Degree D01.

No Substitution
Keying System: Each type of lock and cylinders to be factory keyed.
Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
New System: Key locks to a new key system as directed by the Owner.

Key Quantity: Provide the following minimum number of keys:
Change Keys per Cylinder: Two (2)
Master Keys per Master Key Level(Group): Five (5)
Construction Keys (where required): Ten (10)
Permanent Control Keys (where required): Two (2)

Construction Keying: Provide construction master keyed cylinders.
Key Registration List (Bitting List):
Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
Provide transcript list in writing or electronic file as directed by the Owner.

Mortise Locksets, Grade 1 (Heavy Duty): ANSIBHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.
Manufacturers: Corbin Ruswin Hardware (RU) - ML2000 Series. Sargent Manufacturing (SA) - 8200 Series.

Strikes: Provide manufacturer's standard strike with strike bow for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
Flat-Up Strikes: For locks with three-piece antichisel labtools, as recommended by manufacturer.
Extra-Long-Up Strikes: For locks used on frames with applied wood casing trim.
Aluminum-Frame Strike Bow: Provide manufacturer's special strike bow fabricated for aluminum framing.
Double-ipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.

Standards: Comply with the following:
Strikes for Mortise Locks and Latches: BHMA A156.13.
Strikes for Bored Locks and Latches: BHMA A156.2.
Strikes for Auxiliary Deadlocks: BHMA A156.36.
Dustproof Strikes: BHMA A156.16.

Exit Devices
General Requirements: All exit devices specified herein shall meet or exceed the following criteria: At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for " Panic Hardware " according to UL-305. Provide proper fasteners as required by manufacturer including set nuts and bolts at openings specified in the Hardware Sets. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.

Devices must fit tight against the door face with no gap that permits unauthorized drawing of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
Energy Efficient Design: Provide lock bodies which have a holding current draw of 15mA maximum, and can operate on either 12 or 24 volts. Locks are to be field configurable for full safe or fail secure operation.
Motorized Electric Latch Retraction: Devices with an electric latch retraction feature must use motors which have a maximum current draw of 600mA. Solenoid driven latch retraction is not acceptable.

Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
Where functioning exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.

Narrow Slot Applications: At doors constructed with narrow sills, or, as specified in Hardware Sets, provide devices designed for maximum 2" wide sills.
Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
Rail Sliding: Provide exit device rails factory sized for proper door width application.
Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

Door Closers, Surface Mounted (Large Body Cast Iron): ANSIBHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron body construction, with adjustable backcheck and separate noncritical valves for closing sweep and latch speed control.
Adhesives: Low VOC.
Pattern and Colors: Match existing

Corbin Ruswin Hardware (RU) - DC8000 Series.
Norton Door Controls (NO) - 050 Series.
Door Protective Trim (TP) - 281 Series

Door Manufacturing (SA)
General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
Size: Fabricate protection plates (knick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors, and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.

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Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
Manufacturers: Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO). Trimco (TC).

Door Stops and Holders
General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
Door Stops and Bumpers: ANSIBHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
Manufacturers: Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO). Trimco (TC).

Overhead Door Stops and Holders: ANSIBHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
Manufacturers: Rexson Door Controls (RF). Sargent Manufacturing (SA).

Architectural Seals
General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
Provide smoke labeled perimeter gasketing at all smoke labeled openings.
Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.

Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
Manufacturers: National Guard Products (NG). Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).

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Architectural Seals
General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
Provide smoke labeled perimeter gasketing at all smoke labeled openings.
Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.

Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
Manufacturers: National Guard Products (NG). Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).

Door Stops and Holders
General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
Door Stops and Bumpers: ANSIBHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
Manufacturers: Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO). Trimco (TC).

Overhead Door Stops and Holders: ANSIBHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
Manufacturers: Rexson Door Controls (RF). Sargent Manufacturing (SA).

Architectural Seals
General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
Provide smoke labeled perimeter gasketing at all smoke labeled openings.
Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.

Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
Manufacturers: National Guard Products (NG). Pemko Products; ASSA ABLOY Architectural Door Accessories (

