07900 - EXTERIOR SEALANTS AND INTERIOR CAULKING:

SUMMARY
A. Section Includes:
1. Joint sealants for exterior joints in vertical surfaces and horizontal nontraffic surfaces, except as otherwise specified.
2. Joint sealants for interior joints in vertical surfaces and horizontal nontraffic surfaces, except as otherwise specified.
3. Joint sealants and fillers in interior concrete floor slab-on-grade joints.
4. Joint sealant and fillers in exterior concrete sidewalks and pavement adjacent to the building.

SUBMITTAL
A. Submit information per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements-C. "

QUALITY ASSURANCE
A. Pre-installation Conference: Conduct the conference at the Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "

1
PRODUCT
A. Provide sealants in accordance with the following. Joint sealing required by the drawings or required for a complete and proper installation but not listed below shall be sealed as necessary regardless of whether shown or listed. Such joints not shown or listed shall be sealed with sealants consistent with specified materials or as recommended by the manufacturer for the specific application.
1. Exterior:
a. For general exterior exposed or concealed concrete and masonry -SIKAFLEX NP1, or approved equal. Submit color for approval.
b. For exterior exposed EIFS to adjacent material - SIKAFLEX NP1, or approved equal. Submit color for approval.
c. For exterior exposed aluminum storefront to adjacent material -DOWSIL 795 Silicone, or approved equal. Submit color for approval. Refer to aluminum storefront specifications for additional information on sealants.
d. For concrete exterior paving expansion joints - SikaFlex 1c SL, self-leveling. Submit color for approval.
e. For concealed metal flashing and coping joints - Tremco - TremPro JS-773 non-skinning, non-drying, flexible, synthetic butyl sealant.
2. Interior:
a. For general caulking at doors and windows - paintable acrylic emulsion latex, single component. Color match as required.
b. For interior masonry and concrete -SIKAFLEX NP1, or approved equal. Submit color for approval. Paintable.
c. For interior Fire-Rated walls - Hilti CP 606, or approved equal.
d. For Interior Smoke/Sound walls -Hilti CP 506, or approved equal.
e. For interior concrete floor joints - SIKAFLEX SL1 (self-leveling), SIKAFLEX NP1, or approved equal. Submit color for approval.
3. All Surfaces:
a. Surfaces to receive sealant or caulking to be clean, dry, and free of debris. Prime if required by the manufacturer. Exterior sealant joints must have a backer rod or bond breaker. Depth of exterior joints to be 1/2 of the width of joint with edges taped and surface tooled for smooth, clean finish appearance. Dry tooling is the preferred method (do not use solvent or soap when tooling).

SUBSTITUTIONS
A. Comply with the requirements of Section 01600.

EXAMINATION
A. Verify that surfaces and joint openings are ready to receive work and the field measurements are as indicated on the Drawings.

CLEANING
A. Clean excess sealant or sealant smears adjacent to joints as the Work progresses. Use methods and cleaning materials approved in writing by the manufacturers of joint sealants and of products in which the joints occur.

2
08110 - STEEL DOORS AND FRAMES

SUMMARY
A. Section Includes:
1. Steel doors, panels, frames.
2. Glazed light frames.

SUBMITTAL
A. Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements. "

QUALITY ASSURANCE
A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "
B. Regulatory Requirements:
1. Installed Fire Rated Door Assemblies: Conform to NFPA 80, NFPA 252, and UL 10B for fire rated class, as indicated on Drawings.

PROJECT CONDITIONS
A. Field Measurements: Verify that field measurements are as indicated on shop drawings.
B. Coordination: Coordinate the work with door opening construction, door frame and door hardware installation.

PRODUCT
A. Interior:
1. Refer to Door Schedule and Details for product selection and require parameters.
B. Hollow Metal Doors:
1. Provide 1-3/4" thick doors, with size as scheduled. (Mark doors per schedule in mid-hinge cutout.)
a. Interior doors, Grade I, standard-duty, full flush, minimum 18 gauge cold-rolled steel sheet faces.
b. Exterior doors,Grade II, heavy duty, full flush design, 16 gauge galvanized steel sheet faces. Insulated core at all exterior doors and at interior doors as scheduled.
C. Frames:
1. 16 gauge minimum cold-rolled steel sheet. (Mark doors per schedule in hinge receiver.) Fabricate frames with mitered, full inside welded corners. Provide guards or mortar boxes where required.

EXAMINATION
A. Examine surfaces and adjacent areas where products will be installed and verify that surfaces conform to product manufacturer's requirements for substrate conditions.
B. Beginning of installation indicates acceptance of substrate conditions.

INSTALLATION
3
A. Install frames in accordance with ANSI A250.11.
1. Set frames with double 20 ga. metal studs or wood on both sides. Secure studs together at 4' centers from floor. Frames to be plumb, square, true and level. Verify frame plumb and level with no twist before and after gypsum wall board installation. Install doors in accordance with ANSI A250.8.
B. Do not field cut hollow metal doors.
C. Coordinate with adjacent wall construction for anchor placement.
D. Coordinate installation of glass and glazing.
E. Coordinate installation of doors with installation of hardware specified in Section 08710.
F. Hardware Preparation:
1. Prepare doors and frames to receive mortised and concealed hardware according to schedule and templates provided by hardware supplier.
G. Provide board insulation blocking at exterior hollow metal frames. Glue blocking in frame jambs (strike side and hinge side) at height indicated on Drawings.
H. Do not paint over or otherwise obscure labels.
I. Factory install glazed light assemblies in accordance with manufacturer's published instructions for fire-rating required and compliance with referenced standards.

ADJUSTING
A. Test for smooth operation through full range of swing; make necessary adjustments.
B. Coordinate adjustment of doors with installation of hardware. Adjust doors and hardware for smooth and balanced door movement.

4

08411 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS:

SUMMARY
A. This Section covers Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units.

SUBMITTALS
A. Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements-C. "
B. Product Data:
1. For each type of aluminum-framed storefront system indicated, include:
a. Construction details
b. Material descriptions
c. Dimensions of individual components and profiles
d. Hardware
e. Finishes
f. Installation instructions
C. Shop Drawings:
1. Plans
2. Elevation
3. Section
4. Details
5. Hardware
6. Attachments to other work
7. Operational clearances
8. Installation detail.
D. Samples for Initial Selection:
1. Provide samples for units with factory-applied color finishes.
2. Provide samples of hardware and accessories involving color selection.
E. Samples for Verification:
1. Provide a verification sample for aluminum-framed storefront system and required components.

QUALITY ASSURANCE
A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "
B. Installer Qualifications:
1. Installer must have successfully installed the same or similar units required for the project and other projects of similar size and scope.
C. Manufacturer Qualifications:
1. Manufacturer must be capable of providing aluminum-framed storefront systems that meet or exceed performance the stated performance requirements.
2. Manufacturer must document this performance by the inclusion of test reports and calculations.
D. Source Limitations:
1. Obtain aluminum-framed storefront system through one source from a single manufacturer
E. Mockups:
1. Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
2. Build mockups for the type(s) of storefront elevation(s) indicated, in location(s) shown on drawings.

PRODUCT
A. Interior (Basis of Design):
1. Storefront Frame: Equal to Kawneer 450 framing aluminum framed storefront and entrance system.
a. 2" x 4-1/2" nominal dimension for standard height units.
b. Non-thermally broken.
c. Center plane set glazing.
d. Screw spline fabrication.
2. Glazing as scheduled/specified elsewhere.

PROJECT CONDITIONS
A. Field Measurements:
1. Verify actual dimensions of aluminum-framed storefront openings by field measurements before fabrication.
2. Indicate measurements on shop drawings.

EXAMINATION
A. With installer present, examine openings, substrates, structural support, anchorage, and conditions for compliance with requirements for installation tolerances and other conditions affecting performance of work.
B. Proceed with installation only after correcting unsatisfactory conditions.

INSTALLATION
A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum-framed storefront system, accessories, and other components.
B. See sealant specifications for permitted types and applications/locations and for installation requirements. All sealants shall be approved by Hutton prior to installation.
C. Refer to details for allowable shim/joint conditions. Typical allowable joints around storefront/curtain wall frames:
a. Exterior sealant joint maximum of 3/8". Exterior joints fitting tighter than 1/4" or larger than 1/2' will not be accepted and shall be replaced at the window installer's expense.
b. Interior sealant joint maximum of 1/4". Interior gaps smaller than 3/16" or larger than 5/16" will not be accepted and shall be replaced or remedied at the window installer's expense.
D. Provide head receptors at all openings with 1/2" or greater deflection conditions.
E. Set sill members in continuous sill receiver with end dams in a full sealant bed to provide weather tight construction. Sill receivers shall be sloped to the exterior.
F. Framing members shall fit tight together with joints no larger than 1/16". Any frame gapped larger than 1/16" shall be replaced at the installer's expense.
G. Splices in head/sill flashings where required shall be butt joints with backup plates, set in a bed of sealant.
H. Set all aluminum door jamb legs in a bed of sealant to prevent water infiltration into the building at the base of jambs.
I. All thresholds shall be set in a continuous bead of uncured non-skinning butyl sealant, including around plastic shims. Seal all perimeter edges of thresholds to adjacent materials with a polyurethane sealant to create a water-tight system. Verify acceptable sealant materials prior to installation.
J. Storefront:
1. Install aluminum-framed storefront system so that components:
a. Are level, plumb, square, and true to line
b. Are without distortion and do not impede thermal movement
c. Are anchored securely in place to structural support
d. Are in proper relation to wall flashing and other adjacent construction
2. Set sill members in bed of sealant or with gaskets, as indicated, for weather-tight construction.
3. Install aluminum-framed storefront system and components to drain condensation, water penetrating joints, and moisture migrating within aluminum-framed storefront system to the exterior.
4. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.
K. Aluminum-framed entrance doors:
1. Install aluminum-framed entrance doors so that the doors:
a. Are level, plumb, square, and true to line
b. Are without distortion and do not impede thermal movement
c. Are anchored securely in place to structural support
d. Are in proper relation to wall flashing and other adjacent construction
2. Set the sill threshold in a bed of sealant, as indicated, for weathertight construction
3. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.

FIELD QUALITY CONTROL
A. Field Tests:
1. G.C. shall select storefront units to be tested as soon as a representative portion of the project has been installed, glazed, perimeter caulked and cured.
2. Conduct tests for air infiltration and water penetration with manufacturer`s representative present.
3. Tests that do not meet the specified performance requirements and units that have deficiencies shall be corrected as part of the contract amount.
4. Testing shall be performed per AAMA 503 by a qualified independent testing agency. Refer to Testing Section for payment of testing and testing requirements.
5. Air Infiltration Tests:
a. Conduct tests in accordance with ASTM E 783.
b. Allowable air air infiltration shall not exceed 1.5 times the amount indicated in the performance requirements or 0.09 cfm/ft ^{2}, whichever is greater.
6. Water Infiltration Tests:
a. Conduct tests in accordance with ASTM E 1105.
b. No uncontrolled water leakage is permitted when tested at a static test pressure of two-thirds the specified water penetration pressure but not less than 6.2 psf (300 Pa).
B. Manufacturer's Field Services:
a. Upon owner`s written request, provide periodic site visit by manufacturer`s field service representative.

PROTECTION
A. Protect installed product`s finish surfaces from damage during construction.

CLEANING
A. Clean glass immediately after installation.
1. Comply with glass manufacturer's written recommendations for final cleaning and maintenance.
2. Remove non-permanent labels and clean surfaces.
B. Clean aluminum surfaces.
C. Avoid damaging protective coatings and finishes.
D. Remove excess sealants, glazing materials, dirt, and other substances.
E. Repair or replace damaged installed products.
F. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during the construction period.
G. Remove construction debris from project site and legally dispose of debris.

08710 - DOOR HARDWARE

SUMMARY
A. Section Includes:
1. Hardware for doors.
2. Thresholds.
3. Weatherstripping, seals and door gaskets.

SUBMITTAL
A. Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements. "

QUALITY ASSURANCE
A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "

PRODUCT
A. Interior:
1. Refer to Door Schedule and Specification for all product selection and require parameters.
B. Substitution allowed per section "01600-Product Requirements"

FABRICATION
A. Finish and Base Material Designations: Number indicates Builders Hardware Manufacturer`s Association (BHMA) Code or nearest traditional U.S. commercial finish.
B. Where base material and quality of finish are not otherwise indicated, provide at least commercially recognized quality.
C. Fasteners: Provide door hardware manufactured to comply with published templates prepared for machine, wood, and sheet metal screws. Provide screws that comply with commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.
1. Fire-Rated Applications:
a. Wood or Machine Screws: For the following:
• Hinges mortised to doors or frames.
• Strike plates to frames.
• Closers to doors and frames.
2. Steel Through Bolts: For the following unless door blocking is provided:
a. Surface hinges to doors.
b. Closers to doors and frames.
c. Surface-mounted exit devices.
d. Spacers or Sex Bolts: For through bolting of hollow-metal doors.
e. Gasketing Fasteners: Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.

EXAMINATION
A. Verify that doors and frames are ready to receive Work and dimensions are as instructed by the manufacturer.
B. Verify that electric power is available to power operated devices and of the correct characteristics.

INSTALLATION
A. Hardware Mounting Heights: Door and Hardware Institute Recommended Locations for Builders Hardware for Standard Steel Doors and Frames, except as otherwise indicated.
1. Conform to requirements of applicable local, State or Federal disabled access requirements for the installation and operation of door hardware.
2. Install electromagnetic door holder at 24 inches above finish floor elevation at manufacturer`s recommended distance from the door`s leading edge.
B. Install each hardware item to comply with manufacturer's instructions and recommendations, unless otherwise specified.
C. Thru-bolt closers on doors.
D. Vestibule Thresholds: Install as shown on Drawings.

FIELD QUALITY CONTROL
A. Field quality control shall be the ultimate responsibility of the Sub-Contractor in accordance with Section 01452. Field quality control testing and inspection shall be at the discretion of the Contractor as necessary to assure compliance with Contract requirements.

ADJUSTING
A. Hardware Adjustment: Adjust hardware for proper operation and function one month after Substantial Completion. Instruct Owner `s personnel in proper maintenance and adjustment.

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REGISTERED ARCHITECT
Nathan R. Ballard
License Number:
91002
STATE OF ARKANSAS
04/20/2026

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Project Number: 260050
HOMEGROWN
417 MLK JR BLVD
FAYETTEVILLE, AR

Issue:
FOR PERMIT
Date:
04.20.26

REVISIONS

#	Description	Date

SP.4
SPECIFICATIONS