

SECTION 07901 - JOINT SEALANTS

1.2 PRODUCTS

- A. Compatibility; Provide joint sealants, joint fillers, and other related materials that are compatible with one another and with joint substrates under service and application conditioned as demonstrated by testing and field experience.
- B. Colors; Provide color indicated of exposed joint sealants or, if not otherwise indicated as selected by architect from mfg. standard colors.
- C. Elastomeric sealants; At control joints and expansion joints.
 - 1. Two Component Polyurethane Sealant;
 - a. Provide mfg. standard, non-modified, two-part polyurethane- based, air-curing, elastomeric sealant, complying with FS TT-S-00230C, Class A nonsag, grade/type.
 - b. Manufacturer;
 - 1.) Dynatrol; Pecora Corp.
 - 2.) Sonolastic; Sonneborn/Contech
 - 3.) General Electric
 - D. Non-Elastomeric Sealants; At roof flashings and scuppers.
 - 1. Butyl Rubber Sealant;
 - a. Provide polymerized butyl rubber and insert fillers (pigments), solvent-gased with minimum 75% solids, nonsag consistency, tack-free time of 24 hours or less, paintable, non-staining, comply with FS TT-S-001675.
 - b. Manufacturer;
 - 1.) BC-158 Butyl Rubber; Pecora Corp.
 - 2.) 707 Butyl; Protective Treatments, Inc.
 - 3.) Butyl Sealant; Tremco, Inc.
 - 4.) Euco Synthetic Rubber; Euclid Chemical Co.

- E. Sealant Backings; General; Non-staining compatible with joint substrates, sealants, primers and other joint fillers; approved for applications indicated by sealant mfg. based on field experience and laboratory testing.

- 1. Plastic foam joint fillers; preformed, compressible, resilient, non-waxing, non-extruding strips of plastic foam of material indicated below, and of size, shape and density to control sealant depth.
 - a.) Open-cell polyurethane foam.
 - b.) Closed-cell polyurethane foam.
 - c.) Proprietary, reticulated, closed-cell polymeric foam, non- outgassing, with a density of 2.5 PCF and tensile strength of 35 PSI per ASTM D 1623.
- 2. Elastomeric tubing joint fillers; neoprene, butyl EPDM, or silicone tubing complying with ASTM D 1056, non-absorbant to water and gas and capable of remaining resilient at temperatures down to -26 degrees F.
- 3. Bond-Breaker Tape; Polyethylene tape or other plastic tape as recommended by sealant mfg. for preventing bond between sealant and joint filler or other materials at back of joint.
- 4. Primer; As recommended by joint sealant mfg. where required for adhesion of sealant to joint substrates indicated.

1.3 EXECUTION

- A. General; Comply with joint sealant manufacturer's instructions applicable to products and applications indicated.
- B. Sealant Installation Standard; Comply with ASTM C 1193.
- C. Acoustical Sealant Application Standard; Comply with ASTM C 919 for use of joint sealants in acoustical applications.
- D. Inspection; Installer must examine substrates, (joint surfaces) and conditions under which joint sealer work is to be performed, and must notify Contractor in writing of unsatisfactory conditions.
- E. It is the responsibility of the Sealant sub-contractor to seal all voids and crevices on the entire project. Seal where soffit hits all columns and any vertical surface, seal top of all exterior lights with clear sealant, seal at all lintel angles where runs into vertical surfaces, seal at sidewalk where columns penetrate the sidewalk.

8 DIVISION 8 - DOORS

SECTION 08110 - STEEL DOORS AND FRAMES

1.1 GENERAL

- A. Submit product data for each type of door and frame specified.

1.2 PRODUCTS

- A. Manufacturers; Subject to compliance with requirements, provide products by one of the following;
 - 1. Curries Co.
 - 2. Republic Builders Products
 - 3. Steelercraft
 - 4. Pioneer Industries
 - 5. Benchmark Commercial Doors
 - 6. Amweld Building Products, Inc.
- B. Hot-Rolled steel sheets; ASTM A569
- C. Cold-Rolled steel sheets; ASTM A366, Commercial quality or ASTM A620 drawing quality.
- D. Galvanized Steel Sheets; ASTM A526, Commercial quality or ASTM A642 drawing quality, with a 60 or G60 coating designation, mill phosphatized.
- E. Steel Doors; Provide 1 3/4" thick doors of materials and ANSI/SDI 100 grades and models.
 - 1. For exterior doors provide grade III, extra heavy duty, model 2 seamless design, minimum 18 ga. galvanized steel sheet faces.
 - 2. Top of doors to be flush, seamless with no recess to hold water.
- F. Frames; Provide frames for doors, sidelites, borrowed lites and other openings that comply with ANSI/SDI 100, fabricate to be rigid, neat in appearance from defects, warp or buckle.
 - 1. For exterior frames provide units with mitered or coped and continuously welded corners, formed from 16 gauge galvanized steel sheet.
 - 2. Grout; non-shrink.

1.3 EXECUTION

- A. General; Install steel doors, frames and accessories according to shop drawings, manufacturer's data and drawings.
- B. Placing Frames; Comply with provisions of SDI 105, unless otherwise noted. Set frames accurately in position, plumed, aligned, and braced securely until permanent anchors are set.
 - 1. Install at least three anchors per jamb adjacent to hinge location on hinge jamb and at corresponding heights on strike jamb.
- C. Door Installation; Fit hollow metal doors accurately in frames, with clearances specified in ANSI/SDI 100.
- D. Prime Coat Touchup; Immediately after erection, sand smooth any rusted or damaged areas of prime coat and apply touchup of compatible air-drying primer.

SECTION 08410 - ALUMINUM ENTRANCES AND STOREFRONTS

1.1 GENERAL

- A. All aluminum framing shall be Trifab 400 as manufactured by Kawneer Products or approved equal.

1.2 PRODUCTS

- A. Materials; All framing sections shall be of extruded aluminum 6063-T5 alloy and temper. Glazing gaskets shall be extruded from E.P.D.M.
- B. Finish; All exposed surfaces shall be of unsightly scratches and blemishes. The exposed sections shall receive a caustic etch followed by an anodic coating. Color shall be CLEAR with an architectural class anodic coating.
- C. All aluminum framing shall have a face dimension of 1 3/4" and a depth of 4". The framing shall be accurately assembled with unexposed fasteners utilizing extruded splines, clips and/or snap-in features. All glazing shall be flush, including the horizontal muntins and sills, and shall have removable stops to facilitate glazing. Glass shall be set in the center of the section. Glass shall be held in place by E.P.D.M. glazing gaskets on both sides. No applied stops shall be permitted except at transom bar.

1.3 EXECUTION

- A. All openings shall be prepared plumb and square by others and shall be of sufficient size to provide clearance at jambs, head and sill as shown on the architectural drawings. Installation, glass and glazing shall be performed by experienced technicians according to the manufacturer's recommended procedures. All units shall be securely anchored with all joints fully caulked inside and out to insure a water tight seal.
- B. Upon completion of construction, the general contractor shall be responsible for cleaning all aluminum, employing methods recommended by the manufacturer as follows; Anodized aluminum shall be cleaned with plain water containing a mild detergent. No abrasive shall be used. All glass shall be cleaned as well.

SECTION 08710 - DOOR HARDWARE (Rear Doors Only)

1.1 GENERAL

- A. Submit final hardware schedule organized by "Hardware Sets", to indicate specifically the product to be furnished for each item required on each door. Furnish templates to each fabricator of doors and frames as required for hardware preparation.
 - B. For Fire-Rated openings provide hardware tested and listed by UL or FM (NFPA standard 80) on panic exit devices provide UL label indicating "Fire Exit Hardware".
- 1.2 PRODUCTS**
- A. Where base material and quality of finish are not otherwise indicated, provide at least the commercially recognized quality specified in ANSI/BHMA A156 series standards applicable to each particular type of hardware.
 - B. Hardware Schedule; Provide hardware for each door as shown on drawings.

1.3 EXECUTION

- A. Hardware mounting locations; As recommended by the Door and Hardware Institute UNO.
- B. Set thresholds for exterior door in sill bed of butyl-rubber mastic sealant. Remove excess and clean.
- C. Return one month after Owners occupancy and adjust hardware to proper operation and function. Instruct Owner's personnel in proper maintenance and adjustment.

9 DIVISION 9 - FINISHES

SECTION 09255 - GYPSUM BOARD ASSEMBLIES

1.1 GENERAL

- A. Sound Transmission Characteristics; For assemblies indicated to have STC ratings, provide materials and construction identical to those of assemblies whose STC ratings were determined per ASTM E 90 and classified per ASTM E 413 by a qualified independent testing agency. Use Owens Corning Sound Attenuation Batts Fiber Glass; 3 1/2" in all demising walls with NCR rating of 1.00.

1.2 PRODUCTS

- A. Manufacturers; Subject to compliance with requirements, provide gypsum board and related products by one of the following;
 - 1. Domtar Gypsum
 - 2. Georgia-Pacific Corp.
 - 3. Gold Bond Building Products Div., National Gypsum Co.
 - 4. United States Gypsum Co.
- B. Steel Framing Components for Suspended and Furred Ceilings; Sized per ASTM C 754, unless otherwise indicated, and as follows;
 - 1. Cold-Rolled Steel Channels; 0.0566-inch thickness of base metal and 1/2-inch-wide flanges, and as follows;
 - a.) Carrying Channels; 1 1/2" inch deep, 475 lb per 1000 feet.
 - b.) Furring Channels; 1 1/2" deep, 475 lb. per 1000 feet.
 - c.) Finish; Rust-inhibitive paint, unless otherwise indicated.
 - 2. Wire for hangers and Ties; ASTM A 641, soft temper, Class 1 zinc coating.
 - 3. Steel Rigid Furring Channels; ASTM C 645.
 - 4. Provide soffit control joints @ 48" o.c.

- C. Steel Framing for Walls and Partitions; Comply with ASTM C 754 and the following;
 - 1. Component Sizes and Spacings; As indicated but not less than that required to comply with ASTM C 754 under the following maximum deflection and lateral loading conditions; Maximum Deflection; L/120 at 5 lb. per sq. ft.
 - 2. Protective Coating for Framing Members; Mfg. standard corrosion-resistant coating.

- D. Gypsum Board; Provide gypsum board of types indicated, in maximum lengths available, to minimize end joints.
 - 1. Type; 1/2" Georgia Pacific DensGlass Gold Exterior Sheathing.
 - E. Zinc Accessories for Exterior Ceilings; Corner beads, edge trim, and control joints formed from rolled zinc complying with ASTM C 1047, in shapes indicated below by reference to ASTM C 1047.
 - 1. Corner bead on outside corners.
 - 2. Edge trim formed from rolled zinc.
 - F. Gypsum Board Joint Treatment Materials; ASTM C 475 and ASTM C 840, and as follows;
 - 1. SOFFITS; Quick-Tape, Inc. 2" 10x10 glass mesh joint tape. Embed caulk into the entire surface of the tape with a trowel per mfg.recommendations.
 - 2. SHEATING; Use Dow Corning 795 Building Sealant or Pecora 895; Apply minimum 3/8" bead of sealant to joints and trowel to provide a layer approximately 2" wide by 1/16" thick spanning the joint. Apply enough to each fastener to cover completely when troweled flat. Approximate rate of usage is 58 sq.ft. per 10.3 oz. tube. Use backer rod for openings larger than 1/8".
 - 3. GYPSUM BOARD WALLS; Provide control joints on interior walls @ 30' o.c.; Use USG Control Joint No. 093. Provide flush caulk bead to fill 1/4" open slot after protective tape is removed after wallboard finishing.
 - 4. Tremco Dymonic Sealant where called for.
 - G. Miscellaneous Materials; As follows and as recommended by the Gypsum Board Manufacturer.
 - 1. Laminating Adhesive as recommended by the Gypsum Board Mfg.
 - 2. Corrosion resistant coated steel drill screws of size and type recommended by the board mfg. for fastening cementitious backer units.
 - 3. Soffit Vents are to be perforated preformed metal.
 - H. Texture; Provide two job samples, 2' x 2' for approval.
- 1.3 EXECUTION**
- A. Install per manufacturers instructions.

SECTION 09900 - PAINTING

1.1 GENERAL

- A. Paint exposed surfaces whether or not colors are designated in the schedules, except where a surface or material is specifically indicated not to be painted or is to remain natural. Where an item or surface is not specifically mentioned, paint the same as similar adjacent materials or surfaces. If color or finish is not designated, the Architect will select from standard colors or finishes available.
- B. Submittals; Submit the following;
 - 1. Submit two 24" x 24" color samples of each type of paint called for on the project.
- C. Applicator Qualifications; Engage an experienced applicator who has completed painting system applications similar in material and extend to those indicated for the project.
- D. Single-source responsibility; provide primers and undercoat paint produced by the same manufacturer as the finish coats.
- E. Field Samples; Provide samples on wall surfaces on site for review and approval.
- F. Deliver materials to the job site in the manufacturer's original, unopened packages and containers bearing manufacturer's name and label.
- G. Store materials not in use in tightly covered containers in a well ventilated area.
- H. All EIFS to be painted.
- I. Matching of color is not allowed. Use paint mfg. as shown on dwgs.

1.2 PRODUCTS

- A. Paint Materials; Provide block fillers, primers, finish coat materials and related materials that are compatible with one another and the substrates indicated.
- B. Material Quality; Provide the manufacturer's best-quality trade paint material of the various coating types specified.
- C. Matching of existing natural materials; Paint Contractor shall paint one half of a brick to match that brick color for the metal coping. This applies to any other natural material that a color is to match.

1.3 EXECUTION

- A. Examine surfaces and conditions under which painting will be performed for compliance with requirements. Do not begin application until unsatisfactory conditions have been corrected.
- B. Preparation; Remove hardware and various accessories, light fixtures and similar items already installed that are not to be painted or provide surface-applied protection prior to surface preparation and painting.
- C. Cleaning; Clean substrates of substances that could impair the bond of the various coatings. Remove oil and grease prior to cleaning. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
 - 1. Provide barrier coats over incompatible primers or remove and reprime cementitious materials; prepare cementitious surfaces to be painted. Remove chalk, dust dirt, grease, efflorescence, oils. Roughen to remove glaze.
 - 2. Ferrous Materials; Clean ungalvanized ferrous-metal surfaces that have not been shop-coated;remove oil, grease, dirt or other foreign substrates. Use solvent or mechanical cleaning methods that comply with recommendations of the Steel Structures Painting Council.
- D. Application; Apply paint according to manufacturer's directions.
 - 1. Paint all gas meters, electrical meters, electrical gutters, all exposed conduit on rear or side of building. Paint electrical transformer and telephone boxes except labels. Paint all rear doors inside and out, including top of door.
 - 2. Concrete Tilt Panels; Prime one coat and finish with two coats paint as recommended by the manufacturer, use first class paint.
 - 3. Paint all hollow metal doors and frames inside and out.
- E. Cleanup; At the end of each work day, remove empty cans, rags, rubbish and other discarded paint materials from site.
- F. Protection; Protect work of other trades, whether being painted or not against damage by painting. Correct damage by cleaning, repairing or replacing, and repainting, as acceptable by the Architect.
- G. Provide 'wet paint' signs to protect newly painted surfaces.
- H. At completion of construction activities of other trades, touch-up and restore damaged or defaced painted surfaces

- I. Paint all materials on project per below; Paint specified is Sherwin Williams Co.
 - FERROUS METALS:
 - Prime Coat; Pro-Cryl Universal Water Based Primer.
 - Finish Two Coats; DTM Acrylic Coating
 - GALVANIZED METALS:
 - First; clean with white vinegar and wip clean with clean cloth.
 - Prime Coat; Galvanized; Pro-Cryl Universal Water Based Primer.
 - Finish Two Coats; DTM Acrylic Coating
 - CONCRETE MASONRY UNITS:
 - Prime Coat; Loxon Block Surfacer
 - Finish One Coats; Elastomeric ConFlex XL High Build Smooth, 6.0 - 7.5 mils dry.
 - CONCRETE TILT WALLS:
 - Prime Coat; Loxon Conditioner
 - Finish Two Coats; Ultra Crete Latex Textured Masonry Topcoat.
 - WOOD, PAINTED:
 - Prime Coat; A-100 Exterior Oil Primer
 - Finish Two Coats; Duration Exterior Latex Satin Coating
 - WOOD, STAINED, EXTERIOR:
 - Prime Coat; Penofin Penetrating Oil Finish; Blue Label; Color Clear.
 - Finish Coat; Another coat of the same.
 - CONCRETE OR ASPHALTIC PAVING:
 - Use Traffic Paint Only
 - STUCCO:
 - Prime Coat; Loxon Block Surfacer
 - Finish Two Coats; Elastomeric ConFlex XL High Build Smooth, 6.0 - 7.5 mils dry.
 - EIFS, EXTERIOR:
 - Prime and paint all EIFS. Painter can use an integral color as a base but two coats paint are still required of color chosen. Provide two 2'/x2/ samples.
 - MASONRY:
 - Complete coat of Chemprobes Prime-A-Pell H20.



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11-19-12

KENEDY RETAIL

**131 BUSINESS PARK DRIVE
KENEDY, TEXAS
78119**

project no.

167.1201

date

11-19-12

scale

8'=1'-0"

revisions

SPECIFICATIONS

sheet no.

A-11