

positive pressure in accordance with UL 1479 or ASTM E814.

#### 2.04 SEALANT – EXTERIOR FINISH AND INSULATION SYSTEM:

- A. Product/manufacturer:
- 864 Low-modulus Silicone Sealant as manufactured by Pecora Corp.
  - Spectrem 3 Silicone Sealant as manufactured by Tremco.
  - Sonolastic Omnisil as manufactured by Sonneborn.
  - Or as otherwise recommended by the ETIS manufacturer.
- B. Type: One-part, low-modulus, neutral-curing, high-performance silicone.
- FS TT-S-1543A.
  - FS TT-S-230C, Class A.
  - CGSB-19GP-9.
  - ASTM C-920, Class 25, Type S, Grade NS, Use NT, G, A, M, O.
- C. Joint backing: Open cell polyurethane foam of closed cell polyethylene.

#### 2.05 PRIMERS:

A. As recommended by the sealant manufacturer for use in conjunction with the sealant for application onto the various types of materials to which the sealant applied, and complying with the requirements above. When the manufacturer's instructions make reference to use of primers and/or the construction condition requires special surface preparation, these instructions shall be complied with.

#### 2.06 CLEANERS:

A. Where required by manufacturer's instructions in lieu of primers, shall be of the type and kind recommended by the sealant manufacturer.

### PART 3 – EXECUTION

#### 3.01 PREPARATION:

A. Clean surfaces to be in contact with penetration seal materials, of dirt, grease, oil, loose lath, x materials, rust, or other substances that may affect proper fitting, adhesion, or the required fire resistance.

#### 3.02 INSTALLATION:

- Install penetration seal materials in accordance with printed instructions of the UL Fire Resistance Directory in accordance with manufacturer's instruction.
- Seal holes or voids made by penetrations to ensure an effective smoke barrier.
- Where floor openings without penetrating items are more than 4" in width and subject to traffic or loading, install fire stopping materials capable of supporting same loading as floor.
- Protect materials from damage on surfaces subject to traffic.

#### 3.03 FIELD QUALITY CONTROL:

- Examine penetration sealed areas to ensure proper installation before concealing or enclosing areas.
  - Keep areas of work accessible until inspection by applicable code authorities.
  - Perform under this section patching and repairing of fire stopping caused by cutting or penetration by other trades.
- #### 3.04 ADJUSTING AND CLEANING:
- Clean up spills of liquid components.
  - Neatly cut and trim materials as required.
  - Remove equipment, materials and debris, leaving area in undamaged, clean condition.

#### 3.05 SYSTEMS AND APPLICATION SCHEDULE INCLUDES, BUT IS NOT LIMITED TO:

- Metal pipe or conduit through roof opening.
- Insulated metal pipe through roof opening.
- Metal pipes or conduits through large opening.
- Busway through rectangular opening.
- Blank opening.
- Non-metallic (plastic) pipe or conduit through opening.
- Metal pipe or conduit through gypsum board wall.
- Non-metallic (plastic) pipe or conduit through gypsum board wall.
- Insulated metal pipe through gypsum board wall.

#### 3.06 CHOICE OF CAULKING MATERIAL:

A. Use only that caulking material which is best suited to the installation and is so recommended by the caulking material manufacturer.

#### 3.07 BACK-UP MATERIALS:

- Verify the compatibility of filler material with caulking before installation.
- Use filler about 1/3 to 2 wider than width of joint so sufficient pressure is exerted by filler to provide substantial resistance to displacement.
- All filler materials shall be non-oily, non-staining, back-up filler such as polyethylene foam rod, expanded polyurethane, neoprene or other filler completely compatible with the caulking material.

#### 3.08 PREPARATION:

- A. Surface cleaning of joints: Clean out joints immediately before installing joint sealants to comply with recommendations of joint sealant manufacturer and the following requirements:
- Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings, tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
  - Clean concrete, masonry, unglazed surfaces of ceramic tile, similar porous joint substrate surfaces by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air.
  - Remove laitance and form release agents from concrete and masonry.
  - Clean metal, glass, porcelain enamel, glazed surfaces of ceramic tile, and other non-porous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants.
- B. Prime joint substrates where indicated and also where recommended by joint sealant manufacturer based on preconstruction joint sealant-substrate tests or prior experience. Apply primer to comply with joint sealant manufacturer's recommendations. Confine primers to areas of joint sealant bond; do not allow spillage or migration onto adjoining surfaces.
- C. Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

#### 3.09 APPLICATION OF CAULKING:

- Do not caulk under weather conditions or sun conditions potentially harmful to the set and curing of the caulking material.
- Deliver materials to the job or place of application in original unopened containers bearing manufacturer's name and product designation.
- Install caulking in strict accordance with the manufacturer's recommendations, taking care to produce beads of proper width and depth, to tool as recommended by the manufacturer, and to immediately remove all surplus caulking.

#### 3.10 CAULKING SCHEDULE:

A. Carefully study the Drawings and furnish and install the proper caulking at each point where called for on the Drawings plus at all other points, whether specifically designated or not, where caulking is essential in maintaining the continued integrity of the intended joint barrier.

## 07900 - SEALANTS

### PART 1 – GENERAL

#### 1.01 SCOPE:

- Provide all of the labor, materials, equipment, and services required to furnish and install the sealant.
- The purpose of sealant in this Work is to provide a positive barrier against penetration of air and moisture at joints between items where sealant is essential to continued integrity of the barrier.

#### 1.02 QUALITY ASSURANCE:

- Compatibility and adhesion testing: Submit to joint sealant manufacturers samples of materials that will contact or affect joint sealants for compatibility and adhesion testing as indicated below:
  - Use test methods standard with manufacturer to determine if priming and other specific joint preparation techniques are required to obtain rapid, optimum adhesion of joint sealants to joint substrates.
  - Perform tests under normal environmental conditions that will exist during actual installation.
  - Submit not less than 9 pieces of each type of material, including joint substrates, shims, joint sealant backings, secondary seals, and miscellaneous materials.

- Schedule sufficient time for testing and analysis of results to prevent delay in the progress of the Work.
- Investigate materials failing compatibility or adhesion tests and obtain joint sealant manufacturer's written recommendations for corrective measures, including use of specially formulated primers.
- Testing will not be required when joint sealant manufacturer is able to submit joint preparation data required that are acceptable to Architect and are based on previous testing of current sealant products for adhesion to, and compatibility with, joint substrates and other materials matching those submitted.
- Product testing: Provide comprehensive test data for each type of joint sealant based on tests conducted by a qualified independent testing laboratory on current product formulations with in a 24 month period preceding date of Contractor's submittal of test results to Architect.
- Test elastomeric sealants for compliance with requirements specified by reference to ASTM C920. Include test results for hardness, stain resistance, adhesion and cohesion under cyclic movement (per ASTM C719), low-temperature flexibility, modulus of elasticity at 100% strain, effects of heat aging, and effects of accelerated weathering.
- Engage an experienced installer who has completed joint sealant applications similar in material, design, and extent required herein. His work shall have resulted in construction with a record of successful in-service performance and shall be able to show proof of successful similar projects completed over the past 7 years.
- Obtain joint sealant materials from a single manufacturer for each different product required.

#### 1.03 SUBMITTALS:

- A. Prior to installation, submit to the Architect for review the following:
- Complete and fully descriptive manufacturer's literature for each type of sealant used naming product formulation and giving product limitations.
  - Data proving the product meets or exceeds the Fed. Spec. referenced.
  - Physical sample of all colors for the Architect's selection.
  - Submit statements by the manufacturers and installers of their acceptance of these documents and conditions and/or any modification proposed to the use of the products. Include a statement from the manufacturer that the proposed use of the product for the conditions encountered is proper.
  - Submit a guarantee warranting all defects of material and/or application for a period of five (5) years from Date of Substantial Completion. Any failure that may occur within this warranty period, due to defective application and/or materials shall, upon written notification of such failure, be repaired or replaced with proper materials and/or labor as approved by the Architect, at no additional cost to the Owner.

#### 1.04 DELIVERY, STORAGE, AND HANDLING:

- Deliver materials to site in original unopened containers or bundles with labels indicating manufacturer product name and designation, color, expiration period for use, pot life, curing time, and mixing instructions.
- Store and handle materials in compliance with manufacturer's recommendations to prevent their deterioration or damage due to moisture, high or low temperatures, contaminants, or other causes.

#### 1.05 PROJECT CONDITIONS:

- A. Do not proceed with installation of joint sealants under the following conditions.
- When ambient and substrate temperature conditions are outside the limits permitted by joint sealant manufacturer.
  - When joint substrates are wet.
  - Where joint widths are less than allowed by joint sealant manufacturer for application indicated.
  - Until contaminants capable of interfering with their adhesion are removed from joint substrates.
- B. Note: Typical joint width shall be 3/8" unless otherwise advised by the joint manufacturer for the joint type involved or indicated differently on the Drawings.

### PART 2 – PRODUCTS

#### 2.01 SEALANT – EXPANSION JOINTS, CONTROL JOINTS, AND PERIMETER OF DOOR AND WINDOW FRAMES:

- A. Product/manufacturer:
- Dyralral II as manufactured by Pecora Corp.
  - Dymeric as manufactured by Tremco.
  - Sonolastic NP2 as manufactured by Sonneborn.
  - An approved equal.
- B. Type: Two-part, non-sag, low-modulus polyurethane rubber sealant.
- FS TT-S-1543A.
  - ASTM C-920, Type M, Grade NS, Class 25, Use NT, MA, A, G, and O.
- C. Joint Backing: Closed-cell polyethylene.
- Where joint depth does not permit use of joint backing, a release paper or bond breaker shall be used.
  - On horizontal joints, surface must be cleaned and primed using primer as recommended by the sealant manufacturer.
  - In all cases at aluminum storefront, curtain wall and windows, ensure and verify that special sealant is compatible with aluminum finish.
  - If not, notify the Architect immediately in order that a new product may be substituted.
  - Submit the aluminum storefront, curtain wall and window manufacturer's recommendation as to the type of product that should be substituted.

#### 2.02 SEALANT – GENERAL PERIMETER SEALING AT TOILET FIXTURES, ACCESS DOORS, DOOR FRAMES, VANITIES, ETC. IN WET AREAS:

- A. Product/manufacturer:
- 898 Sanitary Silicone Sealant as manufactured by Pecora Corp.
  - Tremco 200 as manufactured by Tremco.
  - Sonolastic Omnisil as manufactured by Sonneborn.
  - An approved equal.
- B. Type: One-part, neutral-curing silicone.
- FS TT-S-001543A.
  - FS TT-S-00230C, Class A.
  - ASTM C920, Class 25.
- C. Install after completion of all painting.

#### 2.03 SETTING THRESHOLDS; FLASHING; AND GENERAL SEALING NOT OTHERWISE DELEGATED:

- A. Product/manufacturer:
- FS TT-S-230C as manufactured by Pecora Corp.
  - Tremco 8 as manufactured by Tremco.
  - Sonolastic Omnisil as manufactured by Sonneborn.
  - An approved equal.
- B. Type: Silicone and acrylic latex, non-sag, acrylic latex caulk.
- FS TT-S-1543A.
  - FS TT-S-230C, Class A.
  - CGSB-19GP-9.
  - ASTM C-920, Class 25, type S, Grade NS, Use NT, G, A, M, O.
- C. Joint Backing: Open cell polyurethane foam of closed-cell polyethylene.

#### 2.04 SEALANT – EXTERIOR FINISH AND INSULATION SYSTEM:

- A. Product/manufacturer:
- 864 Low-modulus Silicone Sealant as manufactured by Pecora Corp.
  - Spectrem 3 Silicone Sealant as manufactured by Tremco.
  - Sonolastic Omnisil as manufactured by Sonneborn.
  - Or as otherwise recommended by the ETIS manufacturer.
- B. Type: One-part, low-modulus, neutral-curing, high-performance silicone.
- FS TT-S-1543A.
  - FS TT-S-230C, Class A.
  - CGSB-19GP-9.
  - ASTM C-920, Class 25, type S, Grade NS, Use NT, G, A, M, O.
- C. Joint backing: Open cell polyurethane foam of closed cell polyethylene.

#### 2.05 INTERIOR SEALANT; UNDER GYPSUM BOARD IN SERVICE AREA

- A. Product/manufacturer:
- Pecora Corp. of Harleysville, PA
  - Tremco Inc. of Cleveland, OH
  - Dow Corning No. 732
  - An approved equal.
- B. Type: Acrylic Latex
- ASTM C-834.
- C. Joint Backing: Non-absorbent, closed cell, foam polyethylene material, square or round in shape and shall be sized to cause a 30% compression in the joint.

#### 2.06 PRIMERS:

A. As recommended by the sealant manufacturer for use in conjunction with the sealant for application onto the various types of materials to which the sealant applied, and complying with the requirements above. When the manufacturer's instructions make reference to use of primers and/or the construction condition requires special surface preparation, these instructions shall be complied with.

#### 2.07 CLEANERS:

A. Where required by manufacturer's instructions in lieu of primers, shall be of the type and kind recommended by the sealant manufacturer.

### PART 3 – EXECUTION

#### 3.01 CHOICE OF CAULKING MATERIAL:

A. Use only that caulking material which is best suited to the installation and is so recommended by the caulking material manufacturer.

#### 3.02 BACK-UP MATERIALS:

- Verify the compatibility of filler material with caulking before installation.
- Use filler about 1/3 to wider than width of joint so sufficient pressure is exerted by filler to provide substantial resistance to displacement.
- All filler materials shall be non-oily, non-staining, back-up filler such as polyethylene foam rod, expanded polyurethane, neoprene or other filler completely compatible with the caulking material.

#### 3.03 PREPARATION:

- A. Surface cleaning of joints: Clean out joints immediately before installing joint sealants to comply with recommendations of joint sealant manufacturer and the following requirements:
- Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings, tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
  - Clean concrete, masonry, unglazed surfaces of ceramic tile, similar porous joint substrate surfaces by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air.
  - Remove laitance and form release agents from concrete and masonry.
  - Clean metal, glass, porcelain enamel, glazed surfaces of ceramic tile, and other non-porous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants.
- B. Prime joint substrates where indicated and also where recommended by joint sealant manufacturer based on preconstruction joint sealant-substrate tests or prior experience. Apply primer to comply with joint sealant manufacturer's recommendations. Confine primers to areas of joint sealant bond; do not allow spillage or migration onto adjoining surfaces.
- C. Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

#### 3.04 APPLICATION OF CAULKING:

- Do not caulk under weather conditions or sun conditions potentially harmful to the set and curing of the caulking material.
- Deliver materials to the job or place of application in original unopened containers bearing manufacturer's name and product designation.
- Install caulking in strict accordance with the manufacturer's recommendations, taking care to produce beads of proper width and depth, to tool as recommended by the manufacturer, and to immediately remove all surplus caulking.

#### 3.05 CAULKING SCHEDULE:

A. Carefully study the Drawings and furnish and install the proper caulking at each point where called for on the Drawings plus at all other points, whether specifically designated or not, where caulking is essential in maintaining the continued integrity of the intended joint barrier.

## 08110 - HOLLOW METAL DOORS

### PART 1 – GENERAL

#### 1.01 SCOPE:

A. Provide all labor, materials, equipment, and services to furnish and install the hollow metal work.

#### 1.02 QUALITY ASSURANCE:

- Comply with all pertinent codes and regulations.
- Manufacture all labeled hollow metal work in accordance with the requirements of Underwriter's Laboratories.
- Provide doors and frames with fire-resistance ratings indicated or required to comply with governing regulations.
- Exposed hardware and frames shall be manufactured in accordance with the specifications of the Underwriter's Laboratories. All labeled doors and frames shall physically bear the U.L. label showing the rating required.
  - The following are not acceptable:
    - Stik-on type labels.
    - Embossed frames.
    - Labels not visible after frame installation.
  - Agency under whom the testing was performed shall be the same for the door and the frame. Labels on the door and frame shall be the same and shall not indicate different testing agencies.
  - UL 10C (positive pressure)/JBC7-2-97. Category A.

#### 1.03 DELIVERY, STORAGE AND HANDLING:

- Deliver hollow metal work cartoned or crated to provide protection during transit and job storage.
- Inspect hollow metal work upon delivery for damage. Minor damages may be repaired provided refinished items are equal in all respects to new work and acceptable to the Architect; otherwise, remove and replace damaged items as directed.
- Store doors and frames at building site under cover. Place units on minimum 4" high wood blocking. Avoid use of non-vented plastic or canvas shelters which could create humidity chamber. If cardboard wrapper on door becomes wet, remove carton immediately. Provide 1/4" spaces between stacked doors to promote air circulation.

### PART 2 – PRODUCTS

#### 2.01 DOORS:

- A. Description:
- 1/4" thick, of composite construction, and fabricated of two sheets roller-leveled prime quality cold-rolled steel sheets.
    - Exterior:
      - 16 gauge.
      - SDI Grade III, extra heavy Model 1, A-60 galvanized.
    - Interior:
      - 16 gauge.
      - SDI Grade III, extra heavy Model 1.
  - Provide rust-inhibitive primer, either air-drying or baking, suitable as base for specified finish paints.
  - Thermal/sound insulation: Interior of door shall be completely filled with rigid urethane core foamed in place and chemically bonded to all interior surfaces. Urethane shall be self-bonding, self-hardening, and self-extinguishing.
  - Doors shall have flush seamless face sheets with mechanically locked vertical edges. Exposed hairline seam on lock and hinge rail edge are acceptable.
  - Top and bottom of the doors shall be closed flush by 16 ga. steel channels.
  - Hardware preparation:
    - Hinge reinforcements shall be 7 ga. steel, drilled and tapped by the manufacturer.
    - Doors shall be mortised for template hinges and prepared for locksets.
    - Doors prepared for lights shall have the openings framed and securely attached. Glazing beads shall be screwless snap-in type.
  - UL 10C Positive Pressure:
    - Coordinate with Section 08710, Finish Hardware.

#### 2.02 FRAMES:

- A. Welded unit frames:
- Exterior:
    - 14 ga. commercial quality, cold-rolled steel.
    - A-60 galvanized.
  - Interior:
    - 16 ga. commercial quality, cold-rolled steel.
- B. Description:
- Head and jamb members shall be mitered, securely welded and ground smooth.
  - Provide rust-inhibitive primer, either air-drying or baking, suitable as base for specified finish paints.
  - Provide 5/8" high integral stops and 2" faces normally available from stock.
  - Provide with appropriate jamb anchors and with floor anchors which are adjustable.
  - Double swing doors: Provide two rubber silencers for strike jambs and doors.
- C. Hardware preparation:
- Minimum gauges for hardware reinforcements:
    - Hinge reinforcements: 7 gauge.
    - Universal strike reinforcements: 12 gauge.
  - Hinge jambs shall be mortised for template hinges and lock jambs shall be mortised for ANSI A115.1 and 2 universal lock strike.
  - Plaster guards shall be snap-in type.

- Hinge and strike reinforcements shall be drilled and tapped by the manufacturer.

#### 2.03 LABELED DOORS AND FRAMES:

- Provide labeled doors and frames for those openings requiring fire protection ratings.
  - Construct and test in accordance with the standards of Underwriter's Laboratories (UL).
  - The UL physical label shall be affixed to all labeled units as evidence of compliance with the procedures of the labeling agency.
- Advise the Architect prior to fabricating if any door or frame that is required to be fire-rated cannot qualify for appropriate labeling because of its design, hardware or for any other reason.

### PART 3 – EXECUTION

#### 3.01 INSTALLATION:

- Install all hollow metal in strict accordance with all pertinent codes and regulations, the approved submittals, the Contract Documents, and the manufacturer's current recommendations, anchoring all components firmly in position for long life under hard use.
- Prior to installation, all frames must be checked and corrected for rack, twist, and out-of-square.
- Erect frames plumb and true, firmly bracing in position until masonry work has reached full height of frames. Spreader bars are for shipment only. Remove temporary spreader bars before setting frames.
- Leave all installed material clean, free of all foreign matter, and spot spots ready to receive finish painting. (See Section 09900, "Paint".)
- Install all finish hardware in strict accordance with the manufacturer's recommendations, eliminating all hinge-bound conditions and making all items smoothly operating and firmly anchored into position.

## 08360 - OVERHEAD DOORS

### PART 1 – GENERAL

#### 1.01 SCOPE:

A. Provide all of the labor, materials, equipment, and services to furnish and install the sectional overhead door.

#### 1.02 QUALITY ASSURANCE:

- Provide sectional overhead door as a complete unit, produced by one manufacturer, including hardware accessories, mounting and installation components.
- Provide sectional overhead door units by one manufacturer for entire Project.
- Wind rating: Unless otherwise noted, design and reinforce upward coiling doors to maintain a rating.
  - Installation shall be by an authorized door manufacturer's authorized representative.

#### 1.03 SUBMITTALS:

- A. Prior to installation, submit to the Architect for review the following:
- Shop and erection drawings indicating the following:
    - Dimensions, materials and gauges.
    - Material finishes.
    - Door operation.
    - Weatherstripping.
    - Hardware.
    - Submit operation and maintenance manual.

#### 1.04 DELIVERY, STORAGE, AND HANDLING:

A. Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures and construction operations.

### PART 2 – PRODUCTS

#### 2.01 OVERHEAD DOOR:

- A. Products/manufacturer:
- Model 524 overhead door by Clopay Building Products Company.
  - Description:
    - Insulation: Required in all regions except S. Florida.
    - 2" thick roll-formed commercial quality 24 gauge galvanized steel.
    - Rabbitted meeting rails to form a weatherseal between sections.
    - Channel-shaped end stiles of 14 gauge steel to wrap face of section by full 1".
    - Z-shaped intermediate stiles: 16 gauge steel.
    - Galvanized hardware to include hinges, adjustable top roller brackets and bottom fixtures that have cable adjustment.
    - Tracks: Vertical tracks to be minimum 16 gauge galvanized steel. Horizontal tracks to be minimum 14 gauge galvanized steel. Sized by manufacturer to conform to door size and operation.
    - Heavy duty-oil tempered wire torsion springs on continuous ball bearing cross header shaft.
    - Lock/Slide locks
    - PAULOCK KS41F1200 W/ PERMANANT CYLINDER CORE 80-037 X 626 KEY 1AA Bottom of door to have U-shape all-weather vinyl seal designed to conform and seal at the floor surface and seal at the floor surface.
    - Finish: Factory-primed and finished, "Commercial Tan"
    - Windows: 8" x 24"; Not required in Wind-borne debris or High-Velocity Hurricane zones.
    - Track: High lift. Size as recommended by the manufacturer.
    - Operation: Manual, chain operation.
    - 4" exhaust opening to be installed as recommended by the manufacturer.
    - Hand chain tensioner – Manufactured by Torque Force a division of Camnrex.

#### 2.02 FABRICATION:

A. Fabricate overhead door in strict accordance with the approved Shop Drawings.

#### 3.02 INSTALLATION:

A. Install all overhead doors in strict accordance with the original design, all pertinent codes and regulations, the approved shop drawings, and the manufacturer's recommendations, anchoring all components firmly in place for long life under hard use.

#### 3.03 TOUCHING UP:

A. Upon completion of the installation, touch up all scuffs and abrasions in the shop priming coat, using primer specified above.

#### 3.04 INSTRUCTIONS:

A. Upon completion of the installation, and as a condition of its acceptance, instruct the Owner's maintenance and operation personnel with the operation and maintenance of the overhead door.

## 07900 - ALUMINUM ENTRANCES AND STOREFRONTS

### PART 1 – GENERAL

#### 1.01 SCOPE:

A. Provide all of the labor, materials, equipment, and services required to furnish and install the aluminum entrances and storefronts.

#### 1.02 QUALITY ASSURANCE:

- Engage an experienced installer who has completed installation of aluminum storefront and entrances similar in design and extent to those required for the project and whose work has resulted in construction with a record of successful in-service performance.
- Single-source responsibility. Provide aluminum storefront and entrances from one source and produced by a single manufacturer.
- Finishes: All finishes shall be in accordance with the standards of the:
  - American Architectural Manufacturers Association (AAMA).

#### 1.03 SUBMITTALS:

- A. Prior to fabrication, submit to the Architect for review the following:
- Shop drawings showing the following:
    - A description of all materials, sizes, dimensions, and gauges.
    - Size of openings.
    - Method of fabrication and assembly.
    - Method of joining.
    - Any concealed stiffening and reinforcement.
    - Type of spacing of fasteners.
    - Method of providing for expansion and contraction.

CONSULTANT:



15 Ninth Avenue North, Hopkins, MN 55343  
Phone: 952.941.8890 www.wilkusarch.com

FLORIDA BOARD OF ARCHITECTS  
CERTIFICATE OF AUTHORIZATION  
19A2603830 EXPIRES 02/28/21

CLIENT:



4300 TBC WAY  
PALM BEACH GARDENS, FL 33410

PROJECT TEMPLATE:

"NORTHLAKE"  
8 BAY INLINE  
v.2019.1.08  
EXTERIOR MODIFIED FOR AHJ

PROJECT INFORMATION:

TIRE KINGDOM  
STORE 937  
SEC OF TAMiami TRAIL & SUMTER CROSSING DRIVE  
NORTH PORT, FLORIDA 34287

89342

BID SET  
01/10/2020

9407228 4708704 8407616  
1142566 899 407 986 01493 3307607

PROJECT NO.: 2018-1035  
DRAWN BY: C.B  
CHECKED BY: EKB

ISSUE DATE

PERMIT PLAN REVIEW 12-AUG-2019

BID SET 09-DEC-2019

REVISION DATE

SHEET TITLE:

SPECIFICATIONS

SHEET NUMBER:

A10.7