1. GENERAL

1.1 Scope
Furnish labor and materials to complete caulking indicated and as herein specified, including but not limited to.

1.2 Exterior Caulking
All joints around metal doors, metal frames, metal windows, lintels, and thresholds as necessary to provide complete weather and watertight seal of structure.

Extreme cold weather caulking shall be done according to manufacturer's requirement/specifications.

1.3 Interior Caulking

1.3.1 Joints between all metal frames and exposed masonry and concrete.

1.3.2 Joints between steel lintels and door frames.

1.3.3 Joints between finish wall materials and backroom of lavatories, urinals, etc., with caulking of Owner's Representative-selected color.

1.4 Quality Assurance

1.4.1 Codes and Standards
The following codes and standards of the latest revision shall be used:

- American Society for Testing and Materials (ASTM), as noted.
- Federal Specifications, as noted.

1.4.2 Submittals
Submit to Owner's Representative copies of manufacturer's instructions for installation, including samples of sealant and caulking to be used.

1.4.3 Product Delivery, Storage and Handling
All sealant and caulking components shall be stored in their original, labeled, unopened containers, and in such a manner to avoid damage, deterioration or deformation.

2. MATERIALS

2.1 Deliver, store and handle materials to prevent inclusion of foreign materials, damage of materials by water, or breakage. Deliver and store packaged materials in original packages until ready for use.
Caulking and Sealing

Do not use packages of materials showing evidence of water or other damage.

2.2 Primer: Type as recommended by caulking manufacturer. Primer shall be used as it comes from containers and apply with brush.

2.3 Exterior Caulking Sealant: Non-staining, containing polysulphide liquid of polymer (Thiokol) base material, gun grade of consistency to prevent flow or sag of vertical joints, one component and color as selected by the Engineer. Meet requirements of Federal Specification TT-S-00230C and ASTM C-290 equal to Synthacalk GC-9 as manufactured by Pecora Chemical Corporation.

2.4 Interior Caulking: Butyl rubber base sealant. Color as selected by the Engineer equal to Butyl Rubber Sealant BC-158 as manufactured by Pecora Chemical Corp.

2.5 Joint Backing Material: White, non-staining and non-absorbent, closed cell foam polyethylene, size as required for joint.

2.6 Submit material sample and manufacturer's literature to the Owner's Representative for approval prior to installation.

3. EXECUTION

3.1 Preparatory Work
Where weather molds, staff beads, or back band molds do not form an integral part of window or door frame, but are removable, caulk same. Caulk between solid frame and masonry or abutting construction. Clean joints free of mortar and other foreign materials before caulking.

3.2 Priming
Prime sides of all joints to be sealed or caulked with primer of specific type recommended by manufacturer for particular surface involved.

3.3 Application
3.3.1 Application shall be by the Contractor.

3.3.2 Prime as required with brush that will reach all parts of the joints to be filled with caulking. Apply caulking with hand gun.

3.3.3 Use gun nozzles of proper size to fit joints. Drive materials in with sufficient pressure to fill joints.
Caulking and Sealing

3.3.4 Caulking compounds shall be applied at joints around all door frames, lintels, louvers and other penetrations through walls.

3.4 Joints

3.4.1 Neatly finish all caulked joints on flush surfaces with beading tool for better grade work. Remove excess material.

3.4.2 Neatly finish all caulked joints in internal corners with coving tool. Remove excess material.

3.4.3 Exposed caulking: Shall be free of wrinkles and uniformly smooth.

3.4.4 Depth of joint shall be equal to exposed width of joint.

3.4.5 Maximum joint: 1/4” wide all joints except concrete panels 1/2” wide.

3.5 Cleaning

Immediatedly clean adjacent materials which have been soiled. Leave work in neat and clean condition.