SECTION 07 6310
STEEP SLOPE ROOF FLASHING

PART 1 - GENERAL

1.1 SUMMARY

A. Products Supplied But Not Installed Under This Section:
   1. Formed Valley Metal.
   2. Pipe flashing for vents and flues.

B. Related Sections:
   1. Section 07 3113: Installation.
   2. Section 07 9213: Quality of sealants.
   3. Section 22 3430: Flashing for 90 percent efficient water heater air piping.
   4. Section 23 5417: Flashing for 90 percent efficient furnace air piping.

1.2 REFERENCES

A. American Society For Testing And Materials:
   1. ASTM A 653-01, 'Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.'
   2. ASTM A 792-03, 'Standard Specification for Steel Sheet, 55 Percent Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.'

PART 2 - PRODUCTS

2.1 MATERIALS

A. Formed Valley Metal And Drip Edge:
   1. Metal:
      a. Aluminum: 0.032 inch 0.81 mm thick minimum.
      b. Steel: Minimum 24 ga 0.635 mm, hot-dipped galvanized to meet requirements of ASTM A 653, 1.25 oz/sq ft. or galvalume meeting requirements of ASTM A 792 AZ50, 50 ksi.
   2. Finishes:
      a. Face coating polyvinylede Fluoride (PVF₂) Resin-base finish (Kynar 500 or Hylar 5000) for coil coating components containing 70 percent minimum PVF₂ in resin portion of formula. Thermo-cured two coat system consisting of corrosion inhibiting epoxy primer and top coat factory applied over properly pre-treated metal.
      b. Reverse side coating of steel flashings to be thermo-cured system consisting of corrosion inhibiting epoxy primer applied over properly pre-treated metal.
      c. Color as selected by Architect from Manufacturer's standard colors.
   3. Type Two Acceptable Manufacturers:
      e. Metal Sales Manufacturing Corp, Sellersburg, IN  www.mtsales.com.
      g. Equal as approved by Architect before installation. See Section 01 6000.

B. Pipe Flashing For Plumbing Vent Lines:
1. 16 oz sheet copper or 4 lb per sq ft lead flashing.
2. Flashing base shall be at least 24 inches 600 mm square.

C. Roof Jacks For Flues: Factory-made galvanized steel.

2.2 FABRICATION

A. Form accurately to details. Provide formed valley metal in 10 foot 3 meter lengths with one inch 25 mm "V" crimp and break in center to match roof slopes.

B. Profiles, bends, and intersections shall be even and true to line.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Interface With Other Work: Coordinate with pipe installers for proper size of roof jacks and pipe flashing.

B. Pipe Flashing For Plumbing Vent Lines.
   1. Copper: Fit snugly around pipes. Calk between copper flashing and pipe with specified sealant.
   2. Lead: Fit around pipes and turn down into pipe 1/2 inch 13 mm with turned edge hammered against pipe wall.

END OF SECTION