Part 1 General

1.1 REFERENCES

.1 American Society for Testing and Materials International (ASTM)

.1 ASTM B209-14, Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate

.2 ASTM A653/A653M-13, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

.2 Canadian Roofing Contractors Association (CRCA)

.1 Roofing Specifications Manual 2012.

1.2 SUBMITTALS

.1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

.2 Product Data:

.1 Submit manufacturer's printed product literature for sheet metal flashing systems materials, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.

.3 Samples:

.1 Submit duplicate 50 x 50 mm samples of each type of sheet metal colour finishes.

1.3 DELIVERY, STORAGE AND HANDLING

.1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.

1.4 WASTE MANAGEMENT

.1 Separate waste materials in accordance with Section 01 00 10 - General Instructions.

Part 2 Products

2.1 SHEET METAL MATERIALS

.1 Sheet Metal: Minimum 0.61 mm base metal thickness, grade 33 steel, galvanized sheet steel to ASTM A653, Z275 coating designation, pre-painted colour to be selected from complete 8000 Series selection

2.2 ACCESSORIES

.1 Sealants: in accordance with Section 07 92 00 – Joint Sealants.

.2 Cleats: of same material, and temper as sheet metal, minimum 50 mm wide. Thickness same as sheet metal being secured.

.3 Fasteners: screw fasteners of same material as sheet metal, length and thickness suitable for application.

.4 Touch-up paint: as recommended by prefinished material manufacturer.

2.3 FABRICATION

.1 Fabricate metal flashings and other sheet metal work in accordance with applicable CRCA 'FL' series details.

.2 Form pieces in 2400 mm maximum lengths.

.1 Make allowance for expansion at joints.

.3 Hem exposed edges on underside 12 mm.

.1 Mitre and seal corners with sealant.

.4 Form sections square, true and accurate to size, free from distortion and other defects detrimental to appearance or performance.

.5 Apply isolation coating to metal surfaces to be embedded in concrete or mortar.

.6 Overlap pieces by minimum 50mm and seal with sealant in accordance with Section 07 92 00 – Joint Sealants

2.4 METAL FLASHINGS

.1 Form flashings, caps, copings and fascias to profiles indicated.

.1 Provide slotted fixing holes and steel washer fasteners

Part 3 Execution

3.1 INSTALLATION

.1 Install sheet metal work in accordance with CRCA FL Series.

.2 Use concealed fastenings except where approved before installation.

.3 Counterflash bituminous flashings at intersections of roof with vertical surfaces and curbs.

.1 Flash joints using S-lock forming tight fit over hook strips, as detailed.

.4 Lock end joints and caulk with sealant.

.5 Install surface mounted reglets true and level, and caulk top of reglet with sealant.

.6 Insert metal flashing under cap flashing to form weather tight junction.

.7 Turn top edge of flashing into recessed reglet or mortar joint minimum of 25 mm. Lead wedge flashing securely into joint.

.8 Caulk flashing at cap flashing with sealant.

3.2 CLEANING

.1 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

.2 Leave work areas clean, free from grease, finger marks and stains.

END OF SECTION