

SECTION 07600

SHEET METAL

PART 1 GENERAL

1.01 DIVISION OF RESPONSIBILITIES TERMINOLOGY: **NOT USED**

1.02 SUMMARY:

A Provide sheet metal products and accessories where noted on drawings, as specified in this Section, and as needed for a complete installation, including but not limited to the following:

1. Metal Roofing Panels.
2. Metal vented and non-vented Soffit Panel
3. Miscellaneous sheet metal closures and accessory items
4. Parapet Coping.
5. Rainwater Conductors

1.03 SUBMITTAL: No product submittal is required for the work of this Section IF provided per the construction documents. Any Request for Product Substitution must be submitted per Section 01340- Submittals

1.04 WARRANTY:

A Manufacturer's Warranty: The Contractor shall include the Sheet Metal Manufacturer's standard 20 year warranty on finish durability (for Kynar 500/ Hylar 5000 finish) and workmanship, in the Building Maintenance Manuals submitted per Section 01700-Contract Closeout.

B Installer's Warranty: The Contractor shall include a copy of the Installer's Warranty for all work provided, for a term of 1 year after the Date of Substantial Completion, in the Building Maintenance Manuals submitted per Section 01700-Contract Closeout

PART 2 PRODUCTS

2.01 SHEET METAL PRODUCT MANUFACTURERS:

A "Basis of Design": Aluminum products by ATAS International Inc., Allentown PA (610/395-8445).

1. Soffit Panels: ATAS Series WLS 120 Wind-lok Soffit Panels and WVS 120 (vented), with perimeter trim and mouldings as detailed on the drawings
2. Building Shell Coping: ATAS "040", embossed texture, with accessories as detailed on the drawings.
3. Sheet Metal Colors:
 - a. Building Shell Coping: Colors to match existing.
 - b. PETCO Entrance Feature: Provide roofing panels and related coping trim with custom color equal to PPG #UC45282XL Duranar "Exotic Red", XL system with #UC51132 Clear Topcoat, by PPG Industries Inc, Springdale PA.

B Acceptable Alternative: Merchant & Evans Industries Inc., Burlington NJ (800/ 257-6215)

C Acceptable Alternative: Reynolds Metals Company, Eastman GA (800/ 841-7774)

- D Acceptable Alternative: Product Substitution subject to approval per Section 01340-Submittals.

2.02 SHEET METAL REQUIREMENTS:

- A. Sheet Metal Coping: Pre-finished 3004 Aluminum Alloy H-12 to H-14, tempered per ASTM B209; 12'-0" lengths with splice plates. Provide concealed anchors that resist wind uplift and permit expansion and contraction with temperature changes. Coping Corners shall be 45 degree shop-mitered and heliarc welded. Field fabricated coping corners with sealant applied at non-welded mitered meeting joints is NOT permitted.
- B. Sheet Metal Accessories: Exposed Sheet Metal Accessories shall be the same material and finish as the coping. All welds shall be ground and shop painted to match the field color. Provide Expansion Joints at 20' to 30' intervals to prevent thermal movement distortion.

<u>Description</u>	<u>Thickness/Texture</u>
Coping Cap	.040"/embossed texture
Cont hold-down cleat	.040"
Splice plates (concealed)	.032"
Splice plates (exposed)	.040"/embossed texture
Rainwater Conductors	.040"/embossed texture
Flashing	.040"/embossed texture
Closure (exposed)	.040"/embossed texture
Drip edges	.040"/embossed texture
12" Roofing Panels	.040"/embossed texture
12" Soffit Panels	.032"/smooth
12" Soffit Panels/vented	.032"/smooth, perforated
Fasteners	#14 w/neoprene washers

2.03 OTHER ACCESSORY COPING ITEMS:

- A. Anchor cleats: Provide stainless steel or aluminum, designed to allow for expansion and contraction of the adjacent construction.
- B. Exposed fasteners: Aluminum or stainless steel, with separate washers with hot bonded neoprene faces; stainless steel for wood connection.
- C. Sealant or non-curing, non-skinning butyl, polyisobutylene tape: Provide between surfaces during assembly with a minimum amount exposed on the completed installation.
- D. Coping Underlayment: Provide Type 15 or 30 asphalt rag felt per Fed. Spec. HH-R-595B.

PART 3 EXECUTION

3.01 SURFACE CONDITIONS: The Contractor shall examine the areas and conditions under which work of this Section will be provided, shall correct conditions detrimental to the timely and proper completion of the work, and shall NOT proceed until unsatisfactory conditions are needed.

3.02 INSTALLATION: Attachments and joints shall allow for expansion/contraction from temperature changes without distortion or elongation of fastener holes. Flashing shall be installed per AA, NRCA, and SMACNA Architectural Sheet Metal manuals.

3.03 RAINWATER CONDUCTORS DRAINAGE: **NOT USED**

END OF SECTION