

**SECTION 07717 – CONTINUOUS GUTTER SYSTEMS, DOWNSPOUTS AND DOWNSPOUT BOOTS**

**1. PART 1 GENERAL**

**1.1. RELATED DOCUMENTS:**

- A. DOCUMENTS AFFECTING WORK OF THIS SECTION INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, GENERAL REQUIREMENTS, BIDDING DOCUMENTS, DRAWINGS, AND SMACNA ARCHITECTURAL MANUAL

**1.2. SUBMITTALS**

- A. SHOP DRAWING TO INCLUDE PROFILE, FASTENING, JOINTING AND JOINTING DETAILS.
- B. PRODUCT LITERATURE FOR DOWNSPOUT BOOTS
- B. ACTUAL SAMPLES WHEN ARCHITECT DIRECTS

**1.3. QUALITY ASSURANCE**

- A. GUTTER TO BE INSTALLED WITH ENOUGH SLOPE TO DOWNSPOUTS IN ORDER TO ACHIEVE POSITION DRAINAGE, NO PONDING WATER.

**1.4. SUBSTITUTIONS**

- A. ANY SUBSTITUTION MUST MEET SPECIFICATIONS AND BE CONTINUOUS WITHOUT CONNECTING SEAMS.

**2. PART TWO-PRODUCTS**

**2.1. GUTTER**

- A. METAL TYPE: MINIMUM .032 KYNAR 500 COATED ALUMINUM. CONTINUOUS GUTTER IS DEFINED AS GUTTER FORMED BY A MACHINE DIE IN SOLID LENGTHS NOT LESS THAN 35' (UNLESS THE TOTAL LENGTH TO BE GUTTERED IS LESS THAN 35').STANDARD 10' MANUFACTURED LENGTHS ARE NOT TO BE USED. A GUTTER MACHINE IS TO MOLD EACH LENGTH NEEDED IN ONE CONTINUOUS PIECE OF GUTTER, ELIMINATING SEAMS. TO BE AS FABRICATED BY ESCAMBIA ROOF-MASTERS OF PENSACOLA, FL OR AN APPROVED EQUAL.
- B. LENGTHS TO BE IN CONTINUOUS LENGTHS NOT LESS THAN 35' (UNLESS THE TOTAL LENGTH TO BE GUTTERED IS LESS THAN 35') BETWEEN EXPANSION JOINTS.
- C. GUTTERING SYSTEM COLOR TO BE BRONZE TO MATCH ADJACENT METAL FASCIA PANELS.
- E. SEE DRAWING AT END OF THIS SECTION FOR GUTTER DETAIL

**2.2. DOWNSPOUT**

- A. METAL TYPE. MINIMUM .032 KYNAR 500 COATED ALUMINUM.
- B. LENGTHS TO BE (10') TEN FOOT LENGTHS.
- C. DOWNSPOUTS WILL BE INSTALLED EVERY 30 FEET OR LESS WHETHER THUS INDICATED OR NOT.
- D. DOWNSPOUTS TO BE 3 3/4" X 3 3/4"

**2.3. CAST IRON DOWNSPOUT BOOTS**

- A. DOWNSPOUT BOOTS SHALL BE NEENAH R4927-F WITH ONE COAT OF BLACK PRIMER AND FINISH PAINTED TO MATCH THE DOWNSPOUT. EQUAL PRODUCTS WILL BE CONSIDERED.

**3. PART THREE-INSTALLATION**

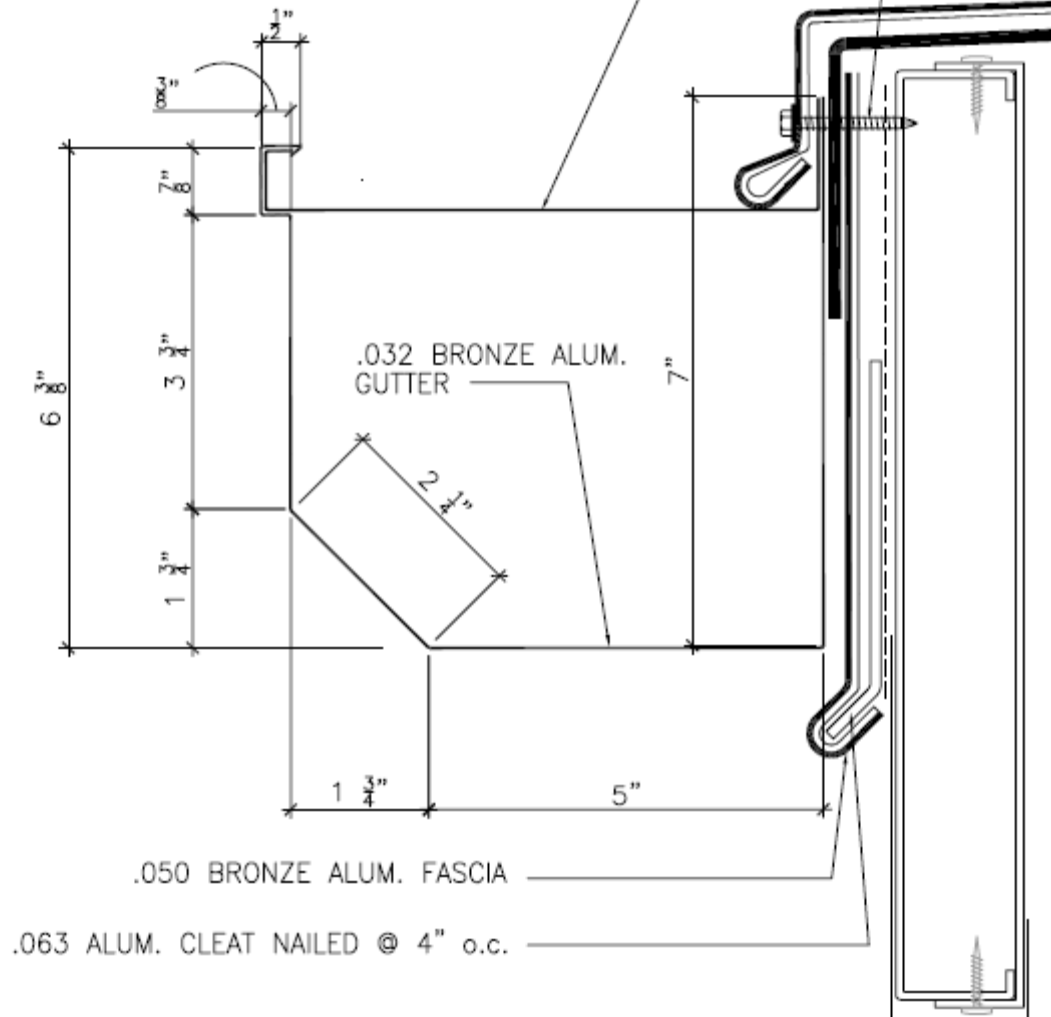
**3.1 INSTALLATION**

- A. DOWNSPOUTS TO BE PLUMB, LEVEL AND HAVE STRAPS NO MORE THAN (5') FIVE FEET ON CENTER WITH A MINIMUM OF TWO ON METAL FASCIA (ONE AT BOTTOM OF GUTTER) AND THREE AT BRICK. STRAPS TO BE FABRICATED AND INSTALLED IN A MANNER SO AS TO NOT RESULT IN ANY SHARP EDGES BEING EXPOSED TO VIEW.
- B. DOWNSPOUTS ARE TO FIT THE DOWNSPOUT BOOTS WITHOUT THE USE OF AN ADAPTOR. SEAL DOWNSPOUT TO BOOT CONNECTION WITH BRONZE MP-1 OR APPROVED EQUAL.
- C. DOWNSPOUT BOOT TO STORM PIPE CONNECTION SHALL BE FLUSH WITH THE CONCRETE SURFACE AT THE BASE OF THE DOWNSPOUT BOOT. SEAL DOWNSPOUT BOOT TO STORM PIPE CONNECTION WITH BRONZE NP-1 OR APPROVED EQUAL.
- D. DOWNSPOUT BOOTS SHALL BE SUPPORTED BY A MINIMUM 2' X 2' X 6" REINFORCED CONCRETE PAD IF THEY DO NOT FALL ON AN EQUIPMENT PAD, MOW STRIP OR LANDING. TOP OF PAD TO BE LOCATED 6" BFF OR AS DIRECTED BY THE ARCHITECT.

WEST NAVARRE INTERMEDIATE SCHOOL  
5 CLASSROOM ADDITION

WOOD TECH SCREWS 12" o.c., ONE THROUGH  
STRAP & ONE BETWEEN STRAPS

$\frac{1}{8}$ " x  $1\frac{1}{2}$ " ALUM. STRAP @ 24" o.c.



END OF SECTION