

**SECTION 12.08**  
**SIGN FACE--SHEET ALUMINUM**

**12.08.01--Description:** This item shall consist of furnishing and installing sign face--sheet aluminum signs of the type specified, metal sign posts, span-mounted sign brackets, mast arm-mounted sign brackets or parapet-mounted sign supports at locations indicated on the plans or as ordered and in conformance with the plans and these specifications.

**12.08.02--Materials:** Reflective sheeting shall conform to the requirements of Article M.18.09.01, Type I, II or III.

Sheet aluminum sign blanks shall conform to the requirements of Article M.18.13.

Silk screening of Type I, Type II or Type III reflective sheeting shall conform to the requirements specified by the reflective sheeting manufacturer.

Metal sign posts and parapet mounted sign supports shall conform to the requirements of Article M.18.14.

Sign mounting bolts shall conform to the requirements of Article M.18.15.

**12.08.03--Construction Methods:** Placement and dimensions of copy, border and mounting holes shall conform to details of the Department of Transportation for Regulatory Warning and Guide signs which are available for inspection at the Department of Transportation office. Nonreflective copy, border and background shall be applied by the silk screen process in a manner specified by the reflective sheeting manufacturer. The silk screening of all copy, border and background on Type III reflective sheeting shall be accomplished prior to the application of the reflective sheeting to the finished aluminum sign blank. Type III reflective sheeting shall be of the heat activated adhesive type and shall be applied in a manner specified by the reflective sheeting manufacturer.

Reflective sheeting shall be applied in such a manner that the finished sign will be wrinkle and bubble free. No splices of the reflective sheeting will be permitted on any sign face under 2.7 m<sup>2</sup> in area with one dimension of 1.2 m or less and no more than one splice will be permitted on any one sign without the approval of the engineer.

Direct application of cutout Type I, Type II or Type III reflective sheeting copy and border shall conform to the requirements specified by the reflective sheeting manufacturer. Cutout copy and border shall be applied directly to clean, dust free reflective sheeting background panels. Borders shall be cut neatly and butt-joined at corners and panel joints. Type I or Type II reflective sheeting used for direct applied cutout copy and border shall be uniform in brightness and color.

The fabrication of aluminum sign blanks including cutting to size and shape and the punching of mounting holes shall be completed prior to metal degreasing and the application of reflective sheeting. Aluminum sign blanks shall be free of buckles, warp, dents, cockles, burrs and defects resulting from fabrication. Span-mounted sign brackets and mast arm-mounted sign brackets shall be installed as shown on the plans.

After complete fabrication of the sign as indicated on the plans and in conformance with the requirements contained in the specifications, the sign shall be mounted on the type of support designated on the plans after the support has been satisfactorily installed at its proper location. The reinforcing plate shall be installed as shown on the plans.

Metal sign posts shall be driven or the holes augered and the backfill thoroughly tamped after the posts have been set level and plumb. Parapet-mounted sign supports shall be installed as shown on the plans and shall be level and plumb.

**12.08.04--Method of Measurement:** This work will be measured for payment by the number of square meters of sign face-sheet aluminum of the type specified, installed and accepted.

**12.08.05--Basis of Payment:** This work will be paid for at the Contract unit price per square meter for "Sign Face-Sheet Aluminum" of the type specified complete in place, which price shall include the completed sign, metal sign post(s), span-mounted sign brackets and mast arm-mounted brackets or parapet-mounted sign support, mounting hardware, including reinforcing plates, and all materials, equipment, labor and work incidental thereto.

Pay Item	Pay Unit
Sign Face--Sheet Aluminum (Type)	m <sup>2</sup>