

SECTION 12.07
SIGN FACE - EXTRUDED ALUMINUM
(TYPE III REFLECTIVE SHEETING)

12.07.01 - Description: This item shall consist of furnishing and installing sign face - extruded aluminum with the Type III reflective sheet facing at locations indicated on the plans or as ordered and in conformance with the plans and these specifications.

12.07.02 - Materials: Materials for this work shall conform to the requirements of Articles M.18.09, M.18.10, M.18.11 and M.18.12.

Structural steel shall conform to the requirements of ASTM A36. All members shall be galvanized after fabrication in accordance with the requirements of ASTM A123.

Zinc paint shall conform to the requirements of FS TT-P-641 Type 1.

12.07.03 - Construction Methods: Erection of completed sign panels shall be accomplished in a manner so as not to cause twisting, bending or deforming of sign panels or scratching of the sign face. Any sign panel damaged shall be repaired or replaced at the contractor's expense. They shall be level, correctly aligned as indicated on the plans, and shall be properly fastened to the structure or supports with the necessary hardware as indicated on the plans.

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 m² 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.

Extruded aluminum signs shall be attached to existing supports with new post clip assemblies consisting of post clips, bolt, nut and washer as shown on the plans. All other hardware used for attachment of the overhead signs to the supports may remain in use and be relocated on the structure as required. Check and tighten all bolts and nuts for attachment hardware which is to remain in use.

New extruded aluminum signs shall be vertically centered on existing supports. Overhead sign support brackets (z bar, I bar, channel shape or angle iron) that project beyond the top or bottom of a new sign shall be cut to fit even with the edge of the new sign, preferably at the bottom. If necessary, cuts may be made at both ends.

Where overhead signs having a vertical dimension exceeding the length of the existing sign support brackets, the existing brackets shall be removed and replaced with new vertical brackets having the length equal to the sign height.

All galvanized areas damaged by field cuts or welds shall receive zinc paint that is brush applied to achieve a dry film thickness from 3 to 6 mils.

All overhead sign erections shall be made immediately upon removal of the sign being replaced.

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

12.07.05 - Basis of Payment: This work will be paid for at the Contract unit price per square meter for "Sign Face-Extruded Aluminum" of the type specified complete in place, which price shall include all materials, equipment, labor and work incidental thereto. Also included shall be any additional vertical sign support brackets required to attach new signs to existing supports.

Pay Item	Pay Unit
Sign Face - Extruded Aluminum (Type III Reflective Sheeting)	m ²