

Materials Sampling Guide

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Item or Group	Minimum Material Certificate, Test and Inspection Requirements					Note No	Page No
	Sample Required (Tests to be made at Lincoln laboratory)	Approved Products Lists	Manufacturer Certified Tests Required	Manufacturer Certification of Compliance Required	Location of Additional Information		
SECTION: 22 – Signing Materials							
1) Bolts, Nuts & Washers	---	---	---	---	---	---	
A) High Tensile	Unless shipped from tested and approved stock, the contractor has the option to either provide certified mill test reports on material used, or submit one sample bolt of each size to the Lincoln Lab for destructive testing. The sample must be taken by the project manager and must be accompanied by a manufacturer's certificate of compliance. Materials shall not be approved for incorporation into the work until certified mill tests or sample test results and certificate of compliance are in hand.	No	---	---	12	7	
B) Low Carbon (common)	No – Project Manager to measure length and diameter. Galvanizing to be checked in the field by use of magnetic instrument for both bolts and nuts. Report results to Materials and Research Division.	No	No	Yes	12	7	
C) Sign Fasteners	Yes – Five bolts, nuts and washers from each lot of 500 fasteners unless shipped from tested and approved stock.	No	No	No	12	7	
D) Anchor	Yes – A bolt sample (including nuts and washers) from each heat of steel used on the project (or multiple projects) shall be submitted to the Materials and Research Division for destructive testing.	No	Yes	No	---	---	
2) Brackets & Fasteners	---	---	---	---	---	---	
A) Aluminum	No	No	No	Yes	21	10	
B) Steel	No – Galvanizing thickness to be checked in the field by the Project Manager and a report of results submitted to the Materials and Research Division.	No	No	Yes	21	10	
3) Detachable Letters, Numerals, Symbols and Borders	No	No	No	Yes	21	10	
4) Acrylic Plastic Prismatic Reflectors	No	No	No	Yes	21	10	
5) Reflective Sheeting	No	No	No	Yes	21	10	
6) Extrusheet	No	No	No	Yes	21	10	
7) Sheet Aluminum	No	No	Yes	No	21	10	
8) Sheet Metal Sleeves	No	No	No	Yes	21	10	

Item or Group	Minimum Material Certificate, Test and Inspection Requirements					Note No	Page No
	Sample Required (Tests to be made at Lincoln laboratory)	Approved Products Lists	Manufacturer Certified Tests Required	Manufacturer Certification of Compliance Required	Location of Additional Information		
SECTION: 22 – Signing Materials (continued)							
9) Signing Supports and Structures							
A) Aluminum	No	No	Yes	No	21	10	
B) Steel	No – Galvanizing thickness to be checked in the field by the Project Manager and a report of results submitted to the Materials and Research Division.	No	Yes	No	21	10	
C) Wood Posts	No – Unless requested by the Materials and Research Division.	No	See Note	See Note	25	11	
10) Sign Supports, Overhead	---	---	---	---	---	---	
A) Main Members	---	---	---	---	---	---	
a) Truss Chords and Bracing	No	No	Yes	No	---	---	
b) Chord End Flanges	No	No	Yes	No	---	---	
c) Vertical Posts & Bracing	No	No	Yes	No	21	10	
d) Catwalk Supports and Post Bases	No	No	Yes	No	21	10	
B) Secondary Members	---	---	---	---	---	---	
a) Catwalk Grating	No	No	No	Yes	---	---	
b) Railing	No	No	No	Yes	---	---	
c) Bolts	No	No	No	Yes	---	---	
d) U-Bolts	No	No	No	Yes	---	---	
e) J-Bolts	No	No	No	Yes	---	---	
f) Chains	No	No	No	Yes	---	---	
g) Misc. Hardware	No	No	No	Yes	---	---	