NYC Department of Buildings
280 Broadway, New York, NY 10007
Robert D. LiMandri, Acting Commissioner
(212) 566-5000, TTY: (212) 566-4769

Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 129-08-M

Manufacturer:	Carboline Co. 350 Hanley Industrial Court Saint Louis, MO 63144
Trade Name(s):	Thermo-Lag 3000, Fire-Sorb 1001
Product:	Fire resistive coating MEA Index #310-30 – Fire Protection
Pertinent Code Section(s):	27-323, 27-324
Prescribed Test(s):	RS 5-2 (ASTM E119, ASTM E84)
Laboratory:	Underwriters Laboratories, Inc. Omega Point Laboratories, Inc.
Test Report(s):	UL Reports: R16350 dated September 16, 1999 & R6802 dated May 21, 1999, R1635 Omega Point Report Nos: 15521-10324, 103726, 102866, 103051, 100753, 15521-103 and 103406.

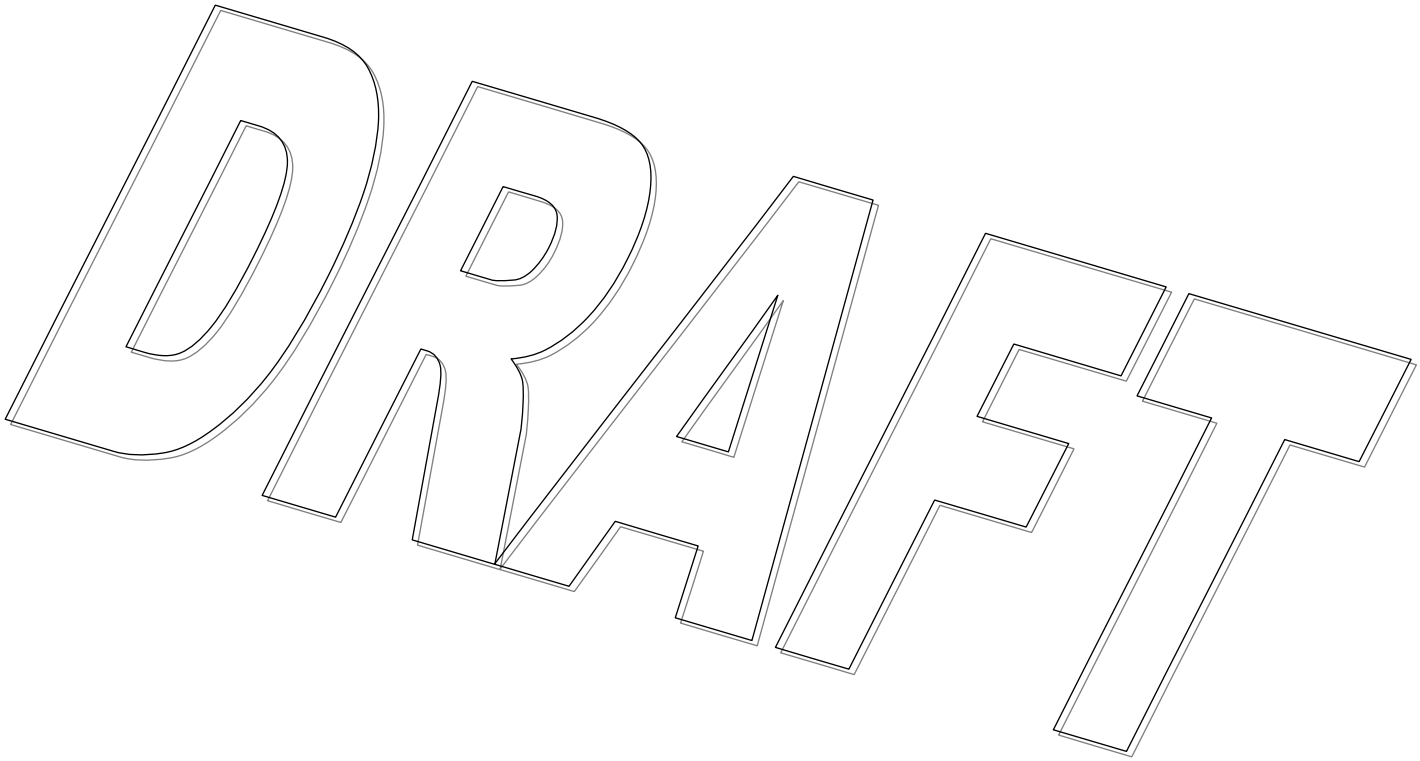
Description: Thermo-Lag 3000 Subliming Material – A two component epoxy based Fire resistive material for application to materials of construction. Thermo-Lag 3000 consists essentially of a polymeric binder system, subliming compounds, film forming agents, catalysts, and additives to control reheology, surface characteristics, cohesive strength, adhesion, stability, and other characteristics.

Thermo-Lag 3000 is applied to primed structural steel elements such as beams and columns to reduce, limit or restrict heat transfer to the substrate. The thermal mechanism of sublimation is employed to absorb and block incident heat energy and provide a temperature limiting thermostatic function. Further, when thermally activated the materials forms a low density cellular structure of low heat transfer coefficient reflectivity protecting the substrate from heat source.

Fire-Sorb 1001 Subliming Material – A one component thin film fire-resistive coating for application to materials of construction.

Fire- Sorb 1001 consists essentially of a polymeric binder system, subliming compounds, film forming agents, catalysts, and additives to control surface characteristics, cohesive strength, adhesion, stability, and other characteristics.

Fire-Sorb 1001 is applied to primed structural elements such as beams for the protection against loss of structural strength during exposure to heat energy. Fire-Sorb 1001 provides a durable, tough, aesthetically pleasing finish that allows the shape of the steel to be maintained while providing the specified level of fire resistance.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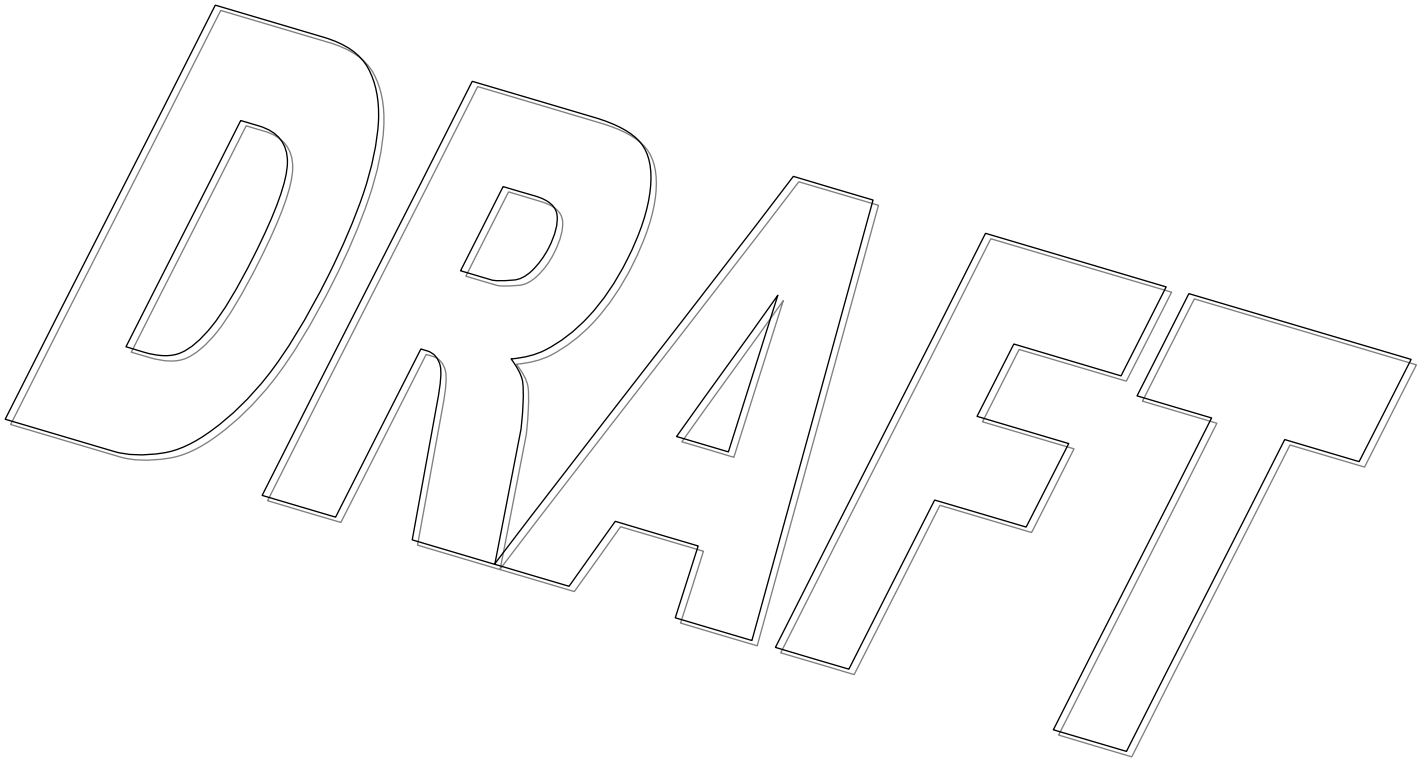
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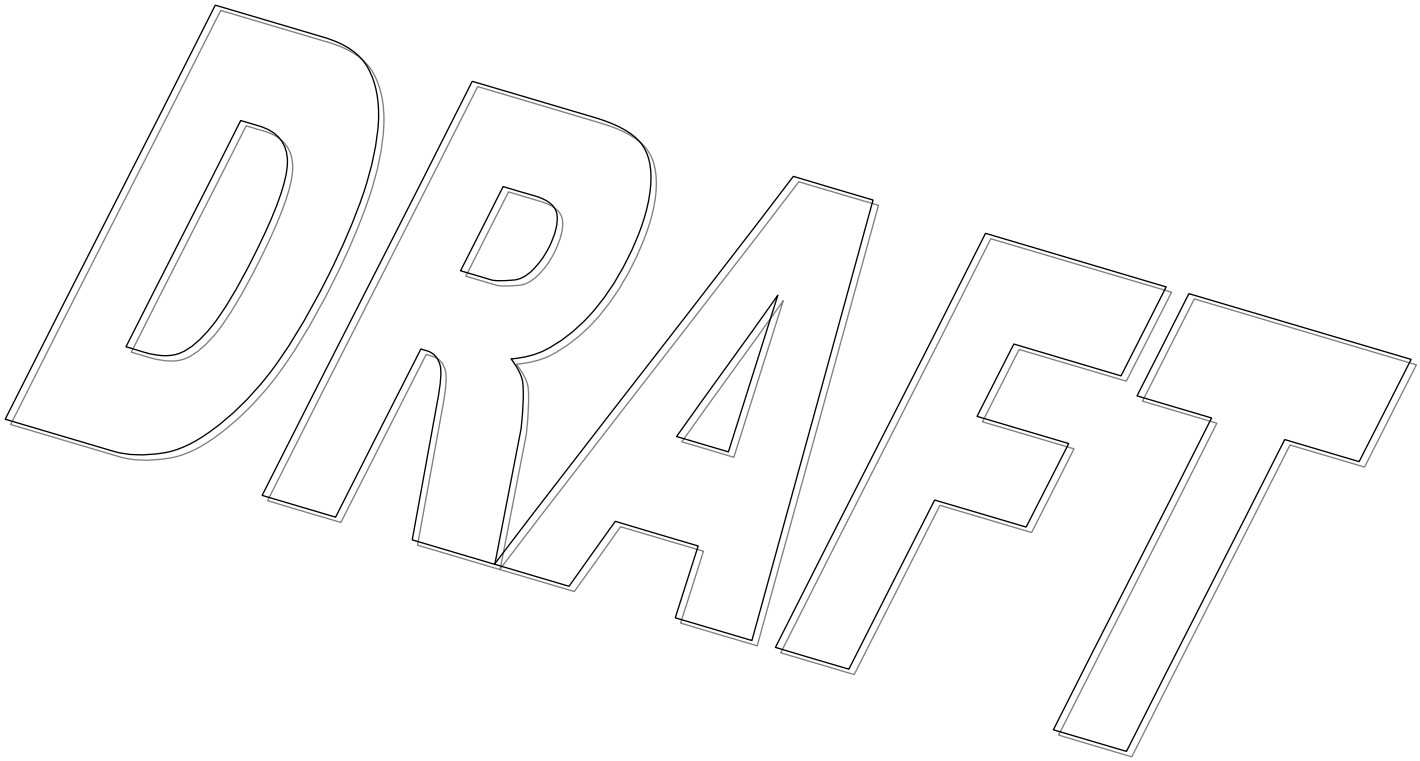
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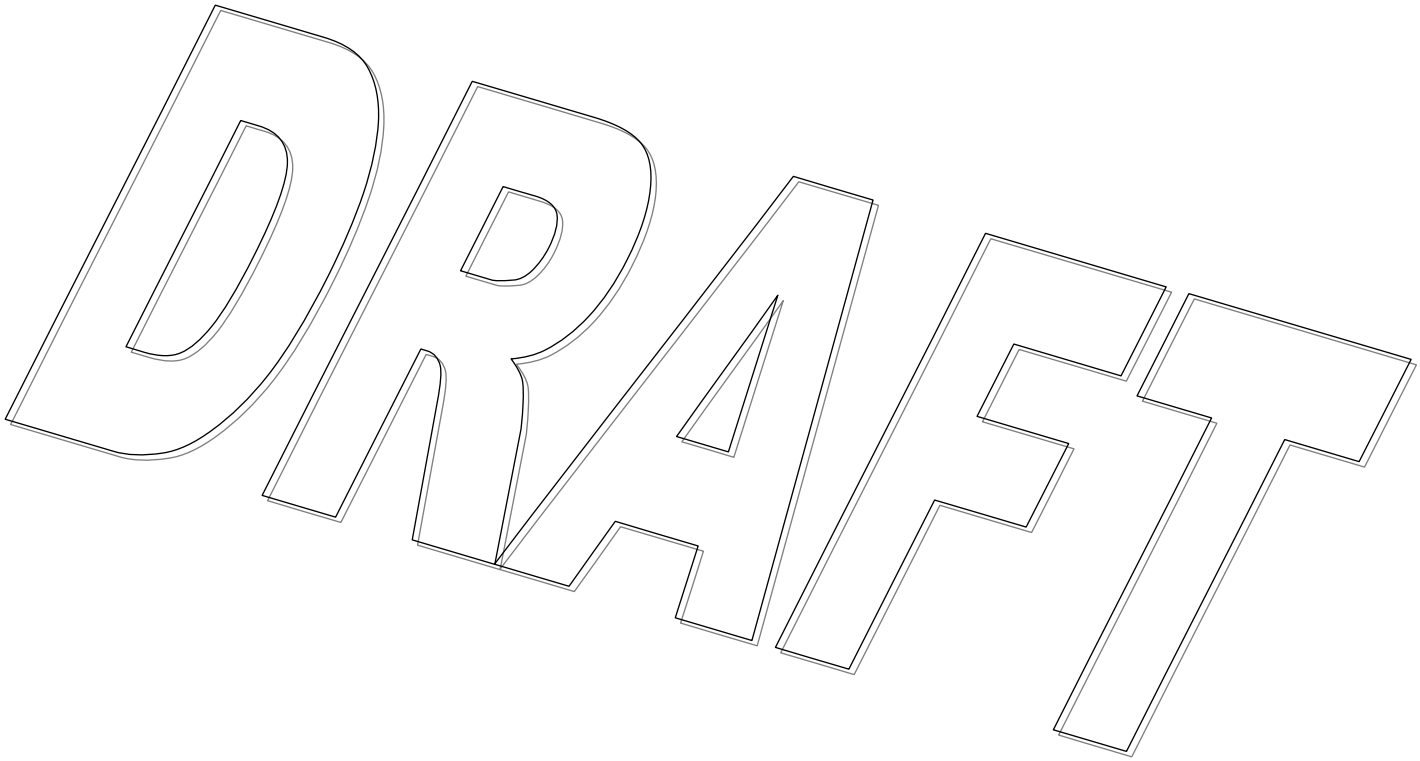
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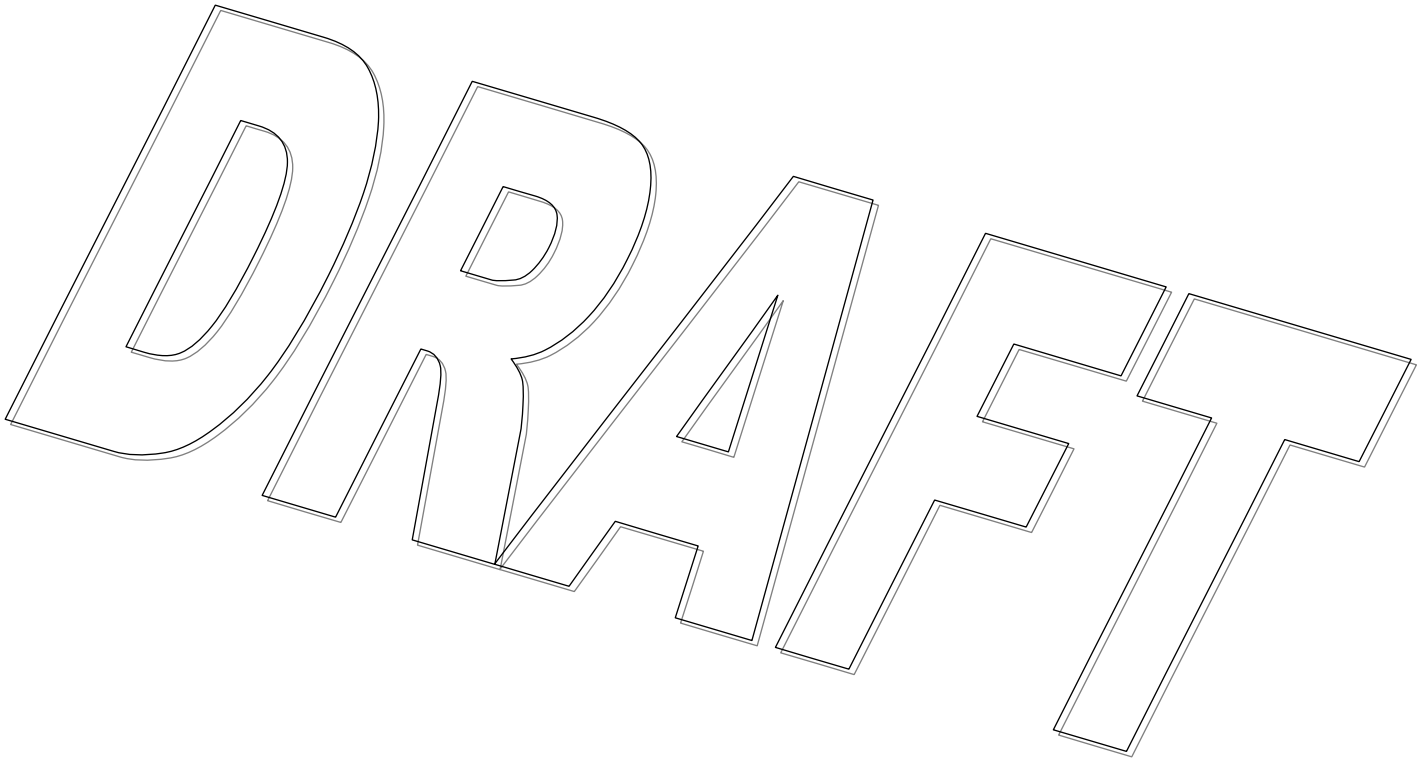
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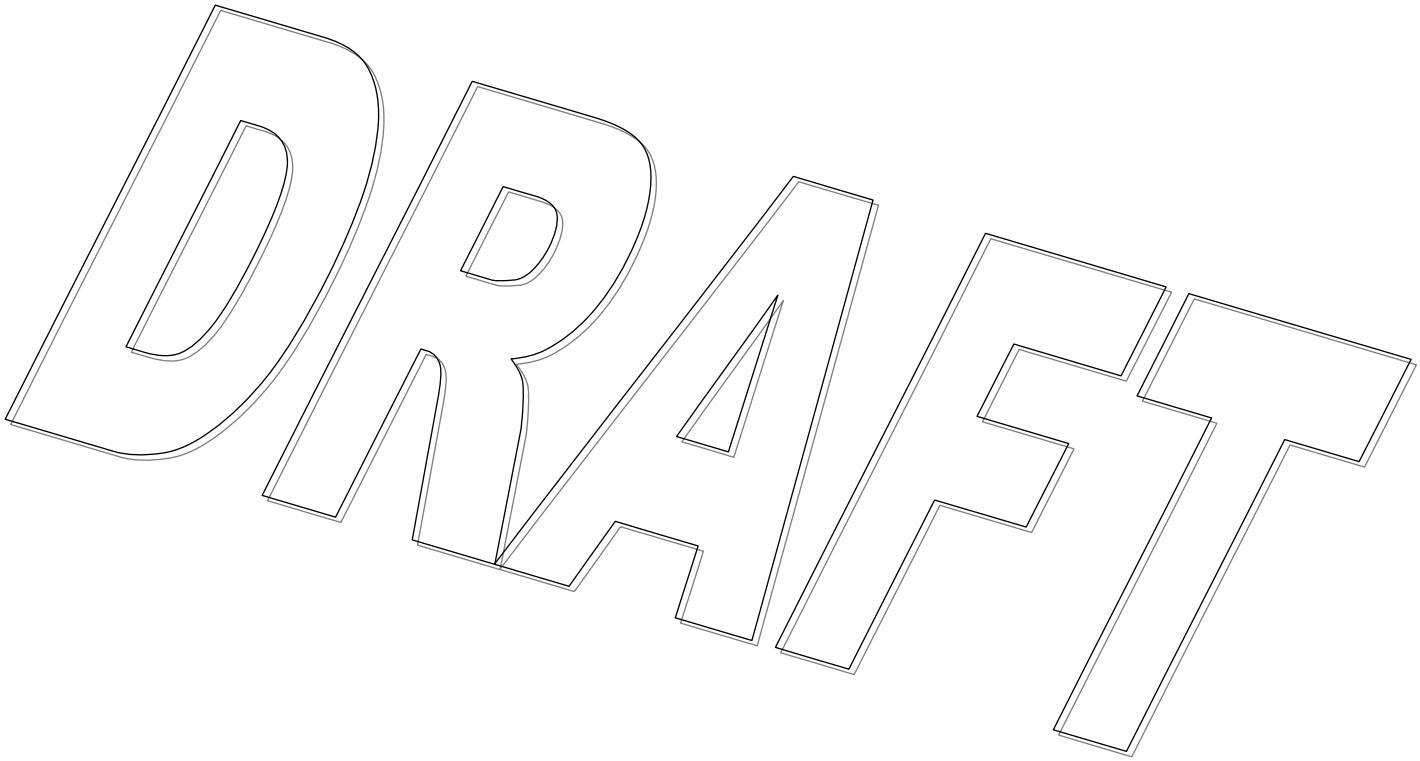
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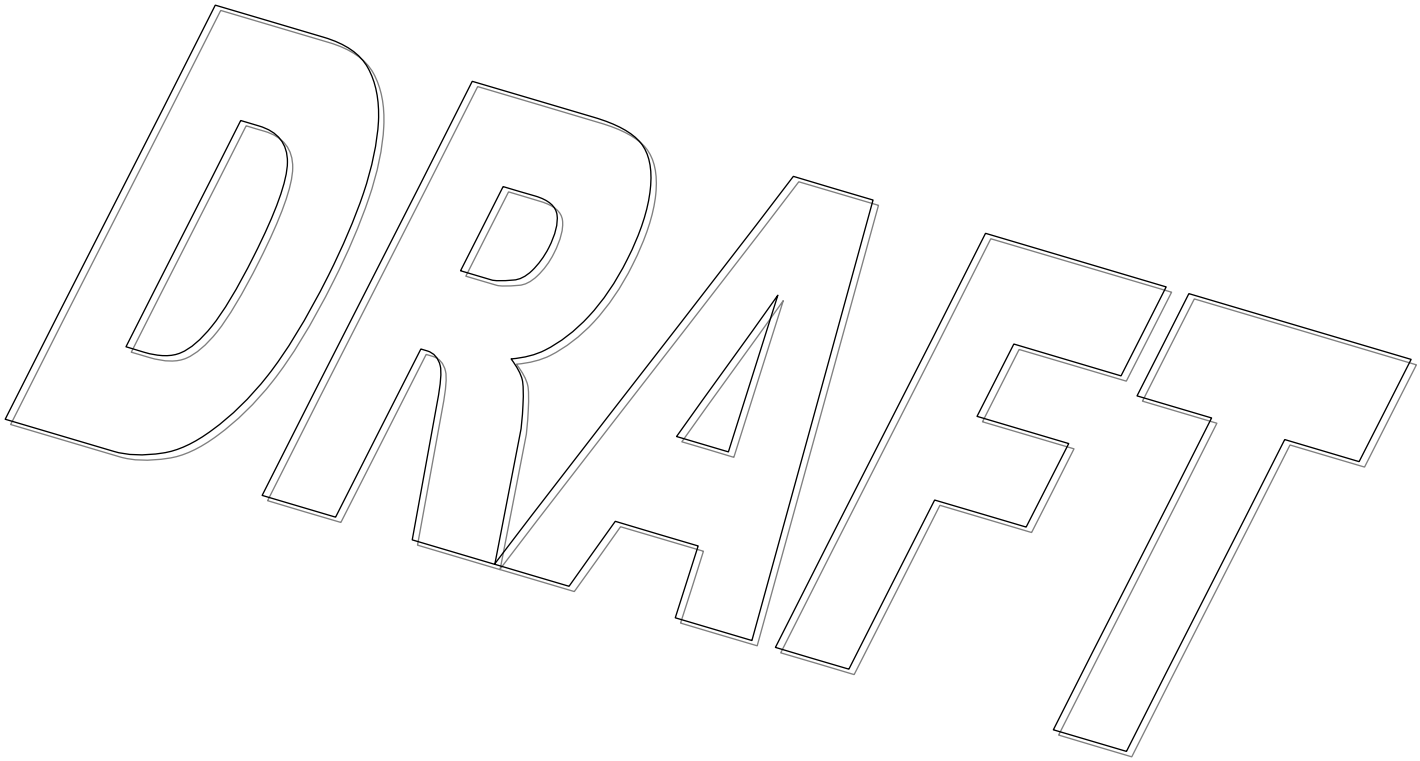
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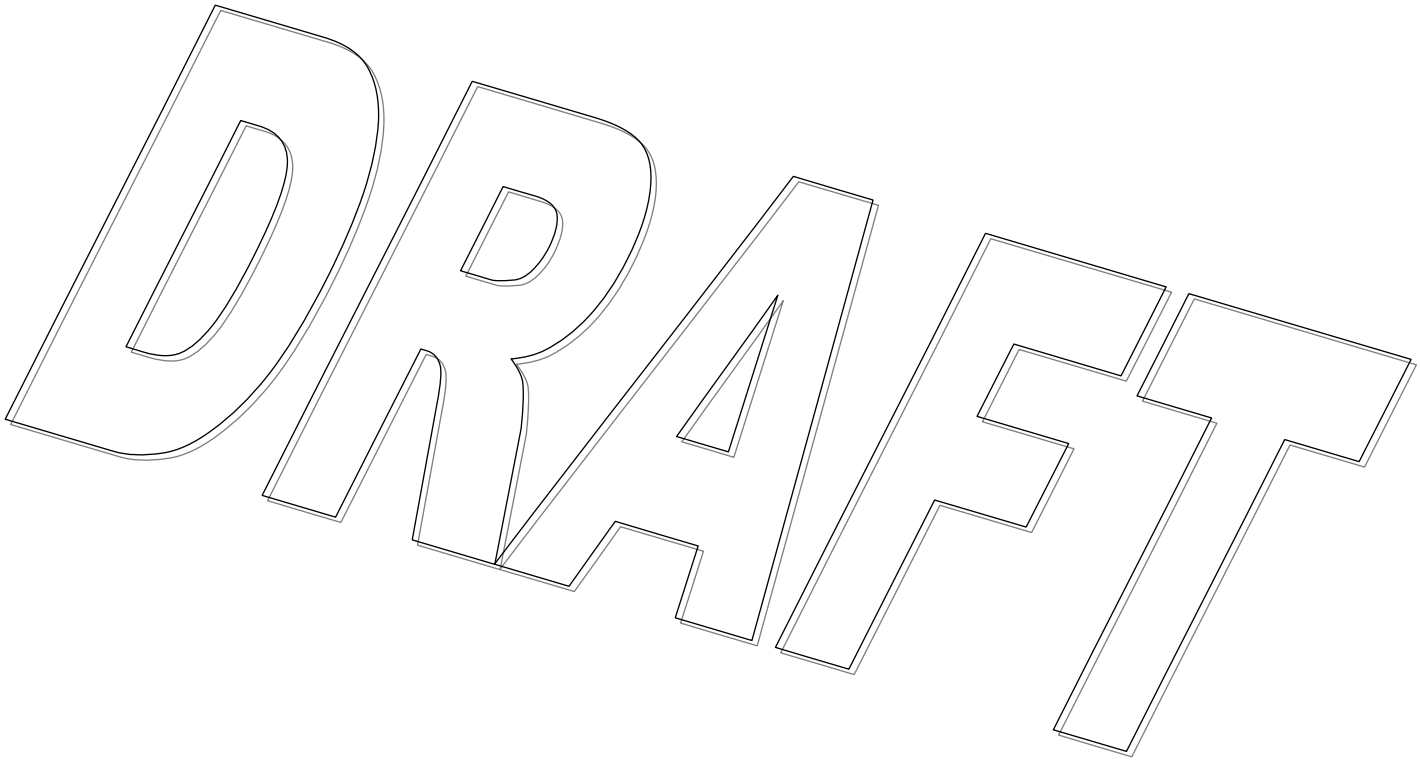
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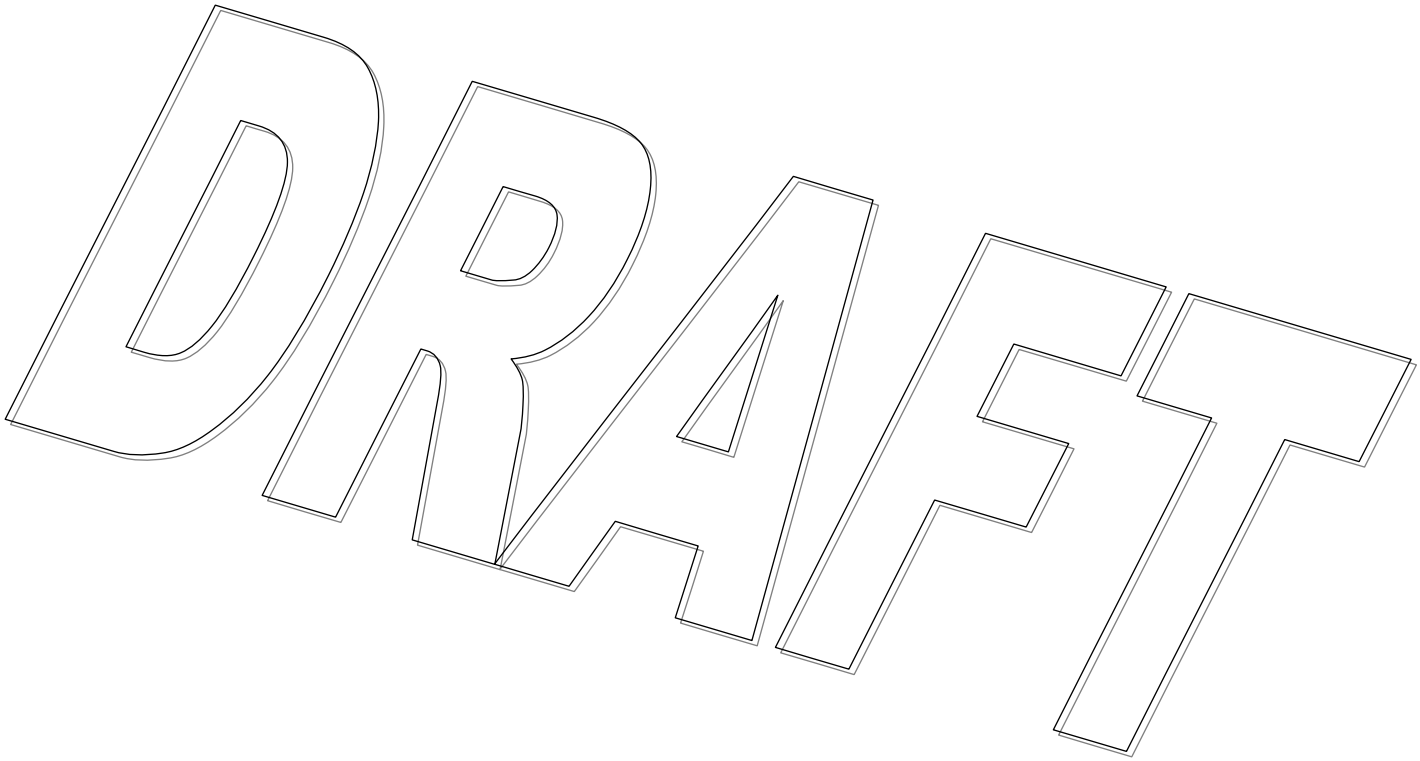
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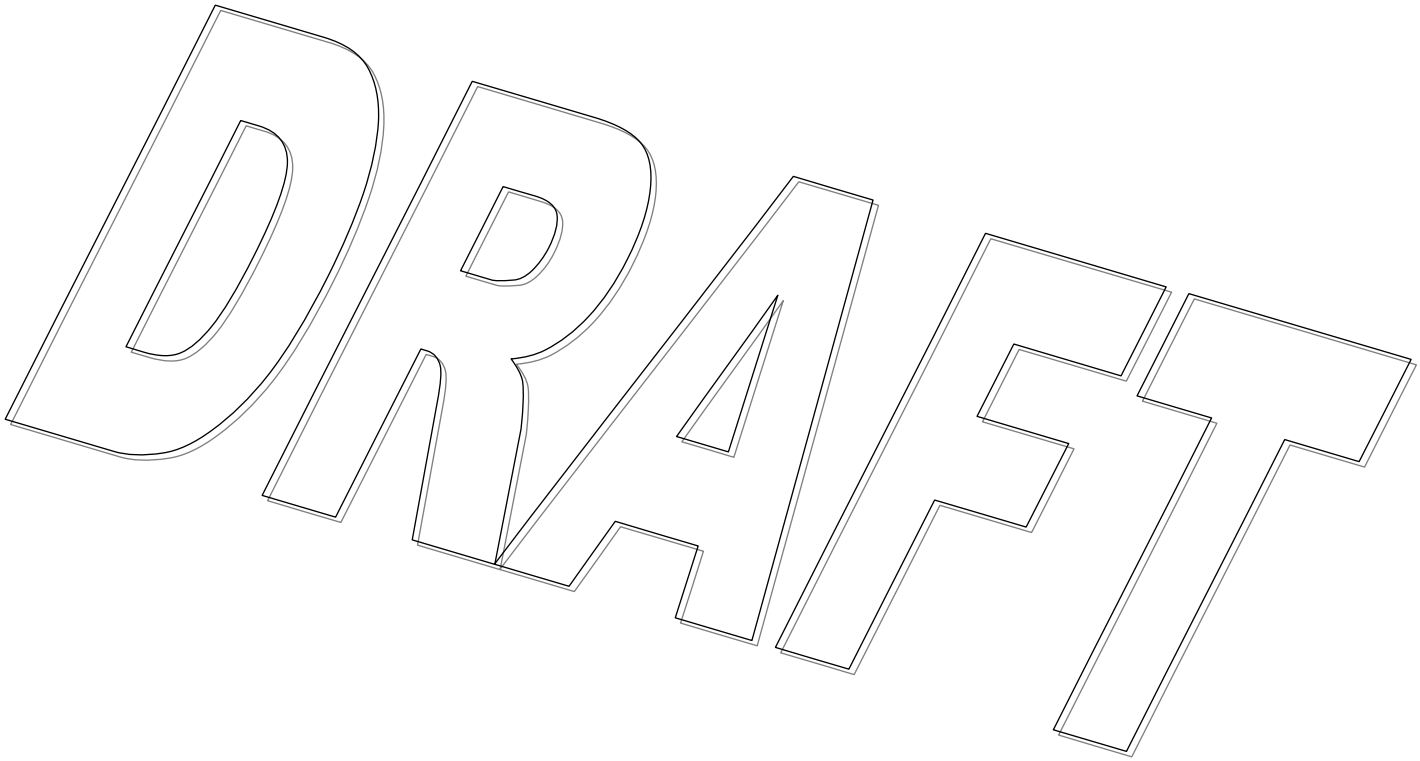
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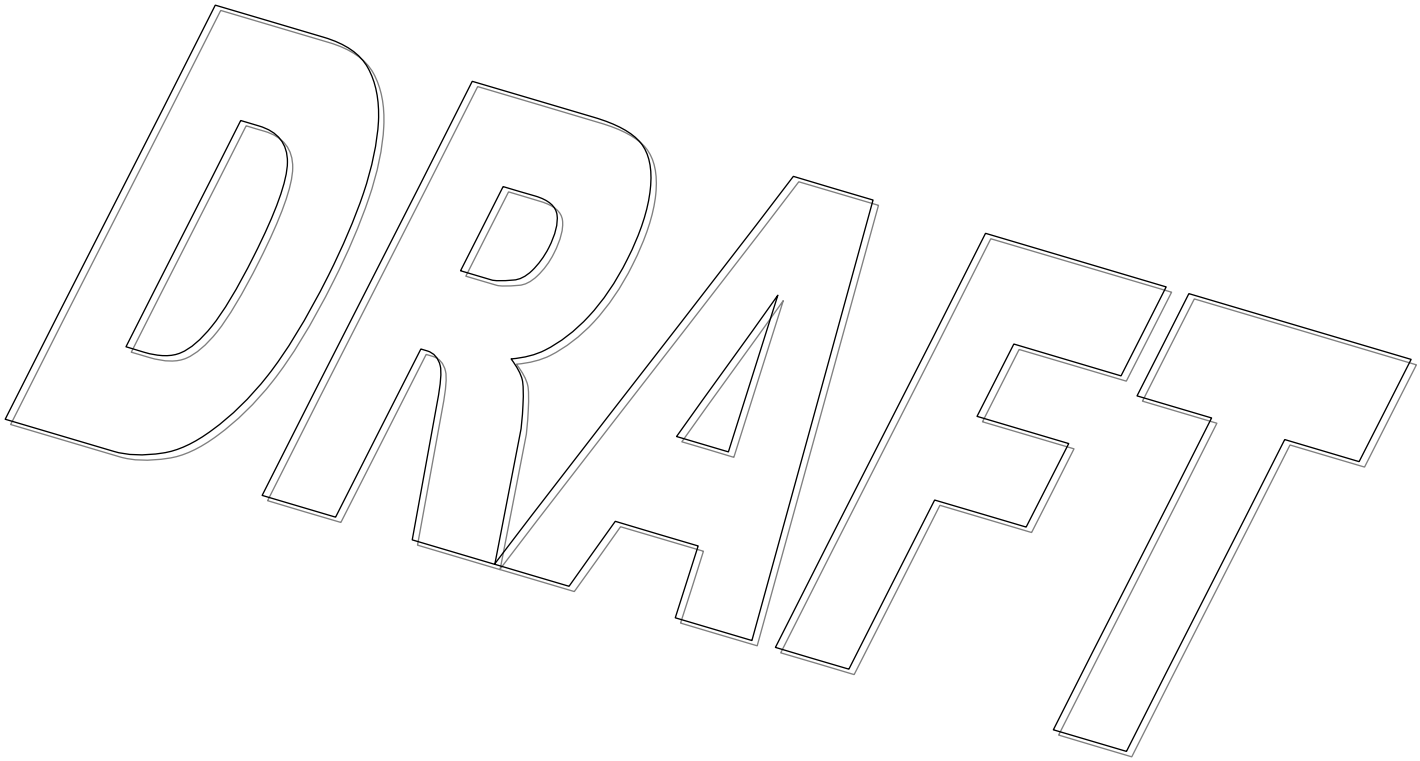
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Terms and Conditions: The above-described column protection assemblies are accepted for Class II buildings only, as having the fire resistance ratings given above, when members framing into the columns have at least the same fire resistance rating, provided that following requirements for application and protection of the intumescent coating fireproofing be adhered to:

1. Where used for protection of floor column(s) in fireproofing buildings, each such column(s) shall bear an identifying tag installed 7'-0" above finished floor. Subject tag shall be of metal construction mechanically attached to such column(s) and shall state the following: "This beam has been fireproofed with MEA approved Thermo-Lag 3000 or Fire-Sorb 1001 finish and such finish shall not be removed" nor any subsequent coating shall be applied other than Thermo-Lag 3000 or Fire-Sorb 1001.
2. Surfaces to receive intumescent coating shall be cleaned prior to the application of the fireproofing.
3. The finished fireproofing shall be applied to a uniformed thickness, and shall not be less than the minimum thickness specified.
4. The general contractor and the owner shall provide qualified personnel to supervise the application on the sprayed fire-resistive material. They shall certify to the Department of Buildings that the finished fire-proofing of the completed building is in full compliance with the acceptance requirements and drawings approved by the Department of Buildings.
5. The installation of the sprayed fire resistive-material shall be subject to the controlled inspection requirements of Section 27-132.
6. The use of this material shall be subject to all pertinent regulations of the Department of Air Resources and the Department of Health.
7. All installations shall comply with 118-68 GR, the New York City Building Code, the Fire Department Directives, the manufacturer's instructions and laboratory recommendations.
8. All shipments and deliveries of the materials, comprising of this assembly, shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and are accepted for use, as provided for in Section 27-131 of the New York City Building Code.

Note: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance June 29, 2008

Examined By Siva Darbhidam