

## SECTION 01420 - REFERENCES

### PART 1 - GENERAL

#### 1.1 DEFINITIONS

- A. General Explanation: Specification language often includes terms that are defined elsewhere in the Contract Documents. Certain terms are defined in this Section. These definitions or explanations are not necessarily complete or exclusive, but are general for the Work and may be explained more explicitly in other Sections.
- B. "Indicated" refers to graphic representations, notes or schedules on the drawings, or to requirements elsewhere in the Specifications or other Contract Documents. Terms such as "shown", "noted", "scheduled" and "specified" have the same meaning as "indicated" and are used to further help locate the reference, but no limitation on location is intended except as specifically stated.
- C. Where "directed", "authorized", "selected", "approved", or a similar term is used in conjunction with the Contractor's submittals, applications, requests and other activities, and the Specifications state that an individual other than LMDC shall provide this action, it is understood that only LMDC has this authority unless the individual stated is so authorized in writing by LMDC.
  - 1. When the individual is so authorized by LMDC, the Contractor may still appeal the action to LMDC.
  - 2. LMDC's decision will be final.
  - 3. In no case shall LMDC's action be interpreted as releasing the Contractor from responsibility to fulfill the requirements of the Contract Documents.
- D. "Regulations" include all Legal Requirements applicable to the Work.
- E. "Furnish" means to supply and deliver to the Project site, ready for unloading, unpacking, assembling, installation and similar operations.
- F. "Install" describes operations at the Project site, including unloading, temporary storage, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning and similar operations.
- G. "Provide" means to furnish and install, complete in place and ready for full use.
- H. "Cutting" refers to removal of material by cutting, sawing, drilling, breaking, chipping, grinding, excavating and similar operations.
- I. "Patching" refers to restoration of a surface to its original completed condition by filling, repairing, refinishing, closing and similar operations.
- J. "Installer" is the Contractor or another entity engaged by the Contractor, either directly or indirectly through subcontracting, to perform a particular construction operation at the Project site, including installation, erection, application and similar operations. Installers shall be skilled in the operations they perform.

- K. "Testing agency" or "testing laboratory" is an independent entity engaged to perform specific inspections or tests, either at the Project site or elsewhere, and to report the results of those inspections and tests.
- L. "Notice to Proceed" means that upon execution by LMDC and Contractor of this Contract, Contractor will be authorized to begin Work. No actual separate notice from LMDC shall be required

## 1.2 DRAWING SYMBOLS

- A. Except as otherwise indicated, symbols used on the drawings are those symbols recognized in the construction industry for the purposes.
  - 1. These include graphic symbols defined by "Architectural Graphic Standards", published by John Wiley & Sons, Inc., ninth edition, as well as graphic symbols recommended by ASHRAE, ASME, ASPE, CSI, IEEE and similar technical organizations for the mechanical and electrical drawings.
  - 2. Refer uncertainties as to meaning of symbols to the Owner's Representative for clarification before proceeding.

## 1.3 INDUSTRY STANDARDS

- A. Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect, to the extent referenced, as if bound or copied directly into the Contract Documents. Such standards are made a part of the Contract Documents by reference.
- B. Conflicting Requirements. Where compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantity or quality, comply with the most stringent requirement. Immediately refer uncertainties, and requirements that are different but apparently equal, to LMDC in writing for a decision before proceeding.
- C. Minimum Quantity and Quality: The quantity or quality indicated shall be the minimum provided. The actual installation may comply exactly with the minimum quantity or quality indicated, or it may exceed the minimum levels within reasonable limits.
  - 1. Indicated numeric values are minimum or maximum as appropriate for the context of the requirements.
  - 2. Refer uncertainties to LMDC for a decision before proceeding.
- D. Abbreviations: Names and titles of standards are frequently abbreviated. Abbreviations and acronyms used in the Specifications and other Contract Documents mean the associated names. The following names are subject to change and are believed, but are not assured, to be accurate and up-to-date as of the date of the Contract Documents. This list is general in nature and not all standards listed may apply to this Contract.
  - 1. AA - Aluminum Association
  - 2. AABC - Associated Air Balance Council
  - 3. AAMA - American Architectural Manufacturers Association
  - 4. AAN - American Association of Nurserymen (See ANLA)

5. AASHTO - American Association of State Highway and Transportation
6. AATCC - American Association of Textile Chemists and Colorists
7. ABMA - American Bearing Manufacturers Association
8. ABMA - American Boiler Manufacturers Association
9. ACI - American Concrete Institute
10. ACIL - American Council of Independent Laboratories -  
The Association of Independent Scientific, Engineering, and Testing Firms
11. ACPA - American Concrete Pipe Association
12. ADC - Air Diffusion Council
13. AEIC - Association of Edison Illuminating Companies
14. AFBMA - Anti-Friction Bearing Manufacturers Association (See ABMA)
15. AFPA - American Forest and Paper Association
16. AGA - American Gas Association
17. AHA - American Hardboard Association
18. AHAM - Association of Home Appliance Manufacturers
19. AI - Asphalt Institute
20. AIA - The American Institute of Architects
21. AIA - American Insurance Association
22. AIHA - American Industrial Hygiene Association
23. AISC - American Institute of Steel Construction
24. AISI - American Iron and Steel Institute
25. AITC - American Institute of Timber Construction
26. ALA - American Laminators Association (See LMA)
27. ALCA - Associated Landscape Contractors of America
28. ALI - Associated Laboratories, Inc.
29. ALSC - American Lumber Standards Committee
30. AMCA - Air Movement and Control Association International, Inc.
31. ANLA - American Nursery and Landscape Association
32. ANSI - American National Standards Institute
33. AOAC - Association of Official Analytical Chemists International
34. AOSA - Association of Official Seed Analysts
35. APA - American Plywood Association (see EWA)
36. APA - Architectural Precast Association
37. API - American Petroleum Institute
38. ARI - Air-Conditioning and Refrigeration Institute
39. ARMA - Asphalt Roofing Manufacturers Association
40. ASA - Acoustical Society of America
41. ASC - Adhesive and Sealant Council
42. ASCA - Architectural Spray Coaters Association
43. ASCE - American Society of Civil Engineers
44. ASHES - American Society for Healthcare Environmental Services - Division of the  
American Hospital Association
45. ASHRAE - American Society of Heating, Refrigerating and Air Conditioning Engineers.
46. ASLA - American Society of Landscape Architects
47. ASME - American Society of Mechanical Engineers
48. ASPA - American Sod Producers Association (See TPI)
49. ASPE - American Society of Plumbing Engineers
50. ASQ - American Society for Quality
51. ASSE - American Society of Sanitary Engineering
52. ASTM - American Society for Testing and Materials

53. ATIS - Alliance for Telecommunications Industry Solutions
54. AWCI - Association of the Wall and Ceiling Industries International
55. AWCMA - American Window Covering Manufacturers Association (See WCMA)
56. AWI - Architectural Woodwork Institute
57. AWWA - American Wood-Preservers' Association
58. AWS - American Welding Society
59. AWWA - American Water Works Association
60. BAC - Brick Association of the Carolinas
61. BHMA - Builders Hardware Manufacturers Association
62. BIA - Brick Industry Association
63. BIFMA - The Business and Institutional Furniture Manufacturer's Association International
64. CABO - Council of American Building Officials
65. CAGI - Compressed Air and Gas Institute
66. CAUS - Color Association of the United States
67. CBHF - State of California, Department of Consumer Affairs, Bureau of Home Furnishings and Thermal Insulation Technical Information
68. CBMA - Certified Ballast Manufacturers Association
69. CCC - Carpet Cushion Council
70. CDA - Copper Development Association Inc.
71. CE - Corps of Engineers (U.S. Department of the Army)
72. CFFA - Chemical Fabrics & Film Association, Inc.
73. CFR - Code of Federal Regulations (Publications available from the Government Printing Office)
74. CGA - Compressed Gas Association
75. CGSB - Canadian General Standards Board
76. CISCA - Ceilings and Interior Systems Construction Association
77. CISPI - Cast Iron Soil Pipe Institute
78. CLFMI - Chain Link Fence Manufacturers Institute
79. CPA - Composite Panel Association
80. CPPA - Corrugated Polyethylene Pipe Association
81. CPSC - Consumer Product Safety Commission
82. CRI - Carpet and Rug Institute
83. CRSI - Concrete Reinforcing Steel Institute
84. CS - Commercial Standard (U.S. Department of Commerce)
85. CSI - Construction Specifications Institute
86. CSSB - Cedar Shake and Shingle Bureau
87. CTI - Ceramic Tile Institute of America
88. CTI - Cooling Tower Institute
89. DASMA - Door and Access Systems Manufacturers Association, International
90. DHI - Door and Hardware Institute
91. DIPRA - Ductile Iron Pipe Research Association
92. DOC - Department of Commerce (Publications available from the Government Printing Office)
93. DOT - Department of Transportation
94. ECSA - Exchange Carriers Standards Association (See ATIS)
95. EIA - Electronic Industries Association
96. EIMA - EIFS Industry Members Association
97. EJMA - Expansion Joint Manufacturers Association
98. EPA - Environmental Protection Agency

99. ETL - ETL Testing Laboratories Inc. (see ITS)
100. EWA - Engineered Wood Association
101. FAA - Federal Aviation Administration
102. FCC - Federal Communications Commission
103. FCI - Fluid Controls Institute
104. FCICA - Floor Covering Installation Contractors Association
105. FDA - Federal Drug Administration
106. FGMA - Flat Glass Marketing Association (See GANA)
107. FHA - Federal Housing Administration (U.S. Department of Housing and Urban Development)
108. FM - Factory Mutual System
109. FS - Federal Specification (Publications available from GSA)
110. GA - Gypsum Association
111. GANA - Glass Association of North America
112. GRI - Geosynthetic Research Institute
113. GSA - General Services Administration
114. HEI - Heat Exchange Institute
115. HFES - Human Factors and Ergonomics Society
116. HI - Hydraulic Institute
117. HI - Hydronics Institute - Division of Gas Appliance Manufacturers Association
118. HMA - Hardwood Manufacturers Association
119. HPVA - Hardwood Plywood and Veneer Association
120. HUD – Department of Housing and Urban Development
121. IAS - International Approval Services - Division of Canadian Standards Association
122. IBD - Institute of Business Designers (See IIDA)
123. ICEA - Insulated Cable Engineers Association
124. IEC - International Electrotechnical Commission (Publications available from ANSI)
125. IEEE - Institute of Electrical and Electronics Engineers
126. IESNA - Illuminating Engineering Society of North America
127. IGCC - Insulating Glass Certification Council
128. IIDA - International Interior Design Association
129. ILI - Indiana Limestone Institute of America
130. IMSA - International Municipal Signal Association
131. INCE - Institute of Noise Control Engineering
132. IRI - HSB Industrial Risk Insurers
133. ISA - International Society for Measurement and Control
134. ISEA - Industrial Safety Equipment Association
135. ISS - Iron and Steel Society
136. ITS - Intertek Testing Services
137. KCMA - Kitchen Cabinet Manufacturers Association
138. LGSI - Light Gage Structural Institute
139. LIA - Lead Industries Association, Inc.
140. LMA - Laminating Materials Association
141. LMCCC – Lower Manhattan Construction Command Center
142. LPI - Lightning Protection Institute
143. MBMA - Metal Building Manufacturers Association
144. MCAA - Mechanical Contractors Association of America
145. MFMA - Maple Flooring Manufacturers Association
146. MFMA - Metal Framing Manufacturers Association
147. MHIA - Material Handling Industry Association

148. MIA - Marble Institute of America
149. MIA - Masonry Institute of America
150. MIL - Military Standardization Documents (U.S. Department of Defense)
151. ML/SFA - Metal Lath/Steel Framing Association
152. MRCA - Midwest Roofing Contractors Association
153. MSS - Manufacturers Standardization Society of the Valve and Fittings Industry
154. NAA - National Arborist Association
155. NAAMM - National Association of Architectural Metal Manufacturers
156. NAAMM - North American Association of Mirror Manufacturers (See GANA)
157. NACE - National Association of Corrosion Engineers International
158. NAGDM - National Association of Garage Door Manufacturers (See DASMA)
159. NAIMA - North American Insulation Manufacturers Association
160. NAMI - National Accreditation & Management Institute, Inc.
161. NAPA - National Asphalt Pavement Association
162. NBHA - National Builders Hardware Association (See DHI)
163. NBGQA - National Building Granite Quarries Association, Inc.
164. NCAC - National Council of Acoustical Consultants
165. NCCA - National Coil Coaters Association
166. NCMA - National Concrete Masonry Association
167. NCPI - National Clay Pipe Institute
168. NCRPM - National Council on Radiation Protection and Measurements
169. NCSPA - National Corrugated Steel Pipe Association
170. NEBB - Natural Environmental Balancing Bureau
171. NECA - National Electrical Contractors Association
172. NEI - National Elevator Industry
173. NELMA - Northeastern Lumber Manufacturers Association
174. NEMA - National Electrical Manufacturers Association
175. NETA - InterNational Electrical Testing Association
176. NFPA - National Fire Protection Association
177. NFPA - National Forest Products Association (See AFPA)
178. NFRC - National Fenestration Rating Council Incorporated
179. NGA - National Glass Association
180. NHLA - National Hardwood Lumber Association
181. NIA - National Insulation Association
182. NIAC - National Insulation and Abatement Contractors Association (See NIA)
183. NIST - National Institute of Standards and Technology (U.S. Department of Commerce)
184. NKCA - National Kitchen Cabinet Association (See KCMA)
185. NLGA - National Lumber Grades Authority
186. NOFMA - National Oak Flooring Manufacturers Association
187. NPA - National Parking Association
188. NPCA - National Paint and Coatings Association
189. NRCA - National Roofing Contractors Association
190. NRMCA - National Ready Mixed Concrete Association
191. NSA - National Stone Association
192. NSF - National Sanitation Foundation International
193. NSSEA - National School Supply and Equipment Association
194. NTMA - National Terrazzo and Mosaic Association
195. NUSIG - National Uniform Seismic Installation Guidelines
196. NWMA - National Woodwork Manufacturers Association (See NWWDA)
197. NWWDA - National Wood Window and Door Association

198. NYCDOT – New York City Department of Transportation
199. NYSDOL – New York State Department of Labor
200. NYSDOT – New York State Department of Transportation
201. OSHA - Occupational Safety and Health Administration (U.S. Department of Labor)
202. PATMI - Powder Actuated Tool Manufacturers' Institute
203. PCA - Portland Cement Association
204. PCI - Precast/Prestressed Concrete Institute
205. PDCA - Painting and Decorating Contractors of America
206. PDI - Plumbing and Drainage Institute
207. PEI - Porcelain Enamel Institute
208. PGI - Polyvinylchloride Geomembrane Institute - Technology Program, University of Illinois-Urbana Champaign
209. PIMA - Photographic and Imaging Manufacturers Association
210. PPFA - Plastic Pipe and Fittings Association
211. PPI - Plastics Pipe Institute (The Society of the Plastics Industry, Inc.)
212. PS - Product Standards of the National Bureau of Standards (U.S. Department of Commerce)
213. RCMA - Roof Coatings Manufacturers Association Center Park
214. RCSC - Research Council on Structural Connections
215. Sargent & Lundy
216. RFCI - Resilient Floor Covering Institute
217. RMA - Rubber Manufacturers Association
218. RUS - Rural Utilities Service
219. SAE - Society of Automotive Engineers International
220. SDI - Steel Deck Institute
221. SDI - Steel Door Institute
222. SEFA - Scientific Equipment and Furniture Association
223. SEGDD - Society for Environmental Graphic Design
224. SGCC - Safety Glazing Certification Council
225. SHLMA - Southern Hardwood Lumber Manufacturers Association (See HMA)
226. SIGMA - Sealed Insulating Glass Manufacturers Association
227. SJI - Steel Joist Institute
228. SMA - Screen Manufacturers Association
229. SMACNA - Sheet Metal and Air Conditioning Contractors' National Association
230. SPI - The Society of the Plastics Industry, Inc.
231. SPIB - Southern Pine Inspection Bureau
232. SPRI - Single Ply Roofing Institute
233. SSINA - Specialty Steel Industry of North America
234. SSPC - Steel Structures Painting Council - The Society for Protective Coatings
235. SSPMA - Sump and Sewage Pump Manufacturers Association
236. STI - Steel Tank Institute
237. SWI - Steel Window Institute
238. SWPA - Submersible Wastewater Pump Association
239. SWRI - Sealant, Waterproofing and Restoration Institute
240. TCA - Tile Council of America
241. TFS - Texas Forest Service
242. TIMA - Thermal Insulation Manufacturers Association (See NAIvIA)
243. TPI - Truss Plate Institute
244. TPI - Turfgrass Producers International
245. TRB - Transportation Research Board - National Research Council

- 246. UFAC - Upholstered Furniture Action Council
- 247. UL - Underwriters Laboratories Inc.
- 248. UNI - Uni-Bell PVC Pipe Association
- 249. USDA - U.S. Department of Agriculture
- 250. USITT - U.S. Institute of Theater Technology - The American Association of Design and Production Professionals in the Performing Arts
- 251. USP - U.S. Pharmacopeia
- 252. USPS - U.S. Postal Service
- 253. WA - Wallcoverings Association
- 254. WASTEC - Waste Equipment Technology Association
- 255. WCLIB - West Coast Lumber Inspection Bureau
- 256. WCMA - Window Covering Manufacturers Association
- 257. WEF - Water Environment Federation
- 258. WIC - Woodwork Institute of California
- 259. WMMPA - Wood Moulding & Millwork Producers Association
- 260. WPCF - Water Pollution Control Federation (See WEF)
- 261. WRI - Wire Reinforcement Institute
- 262. WSC - Water Systems Council
- 263. WSFI - Wood and Synthetic Flooring Institute (See MFMA)
- 264. WWPA - Western Wood Products Association

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION 01420