NORTHWESTERN UNIVERSITY	
PROJECT NAME	FOR:
IOB #	ISSUED: 03/29/2017

SECTION 01 4200 - REFERENCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 DEFINITIONS

- A. General: Basic Contract definitions are included in the Conditions of the Contract.
- B. "Approved": When used to convey Architect's action on Contractor's submittals, applications, and requests, "approved" is limited to Architect's duties and responsibilities as stated in the Conditions of the Contract.
- C. "Directed": A command or instruction by Architect. Other terms including "requested," "authorized," "selected," "required," and "permitted" have the same meaning as "directed."
- D. "Indicated": Requirements expressed by graphic representations or in written form on Drawings, in Specifications, and in other Contract Documents. Other terms including "shown," "noted," "scheduled," and "specified" have the same meaning as "indicated."
- E. "Regulations": Laws, ordinances, statutes, and lawful orders issued by authorities having jurisdiction, and rules, conventions, and agreements within the construction industry that control performance of the Work.
- F. "Furnish": Supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.
- G. "Install": Unload, temporarily store, unpack, assemble, erect, place, anchor, apply, work to dimension, finish, cure, protect, clean, and similar operations at Project site.
- H. "Provide": Furnish and install, complete and ready for the intended use.
- I. "Project Site": Space available for performing construction activities. The extent of Project site is shown on Drawings and may or may not be identical with the description of the land on which Project is to be built.

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 as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.

- B. Publication Dates: Comply with standards in effect as of date of the Contract Documents unless otherwise indicated.
- C. Copies of Standards: Each entity engaged in construction on Project should be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents.
 - 1. Where copies of standards are needed to perform a required construction activity, obtain copies directly from publication source.

1.4 ABBREVIATIONS AND ACRONYMS

- A. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities indicated in Gale's "Encyclopedia of Associations: National Organizations of the U.S." or in Columbia Books' "National Trade & Professional Associations of the United States."
- B. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list. This information is subject to change and is believed to be accurate as of the date of the Contract Documents.
 - 1. AABC Associated Air Balance Council; www.aabc.com.
 - 2. AAMA American Architectural Manufacturers Association; www.aamanet.org.
 - AAPFCO Association of American Plant Food Control Officials; www.aapfco.org.
 - 4. AASHTO American Association of State Highway and Transportation Officials; www.transportation.org.
 - 5. AATCC American Association of Textile Chemists and Colorists; www.aatcc.org.
 - 6. ABMA American Bearing Manufacturers Association; <u>www.americanbearings.org</u>.
 - 7. ABMA American Boiler Manufacturers Association; <u>www.abma.com</u>.
 - 8. ACI American Concrete Institute; (Formerly: ACI International); www.abma.com.
 - 9. ACPA American Concrete Pipe Association; www.concrete-pipe.org.
 - 10. AEIC Association of Edison Illuminating Companies, Inc. (The); www.aeic.org.
 - 11. AF&PA American Forest & Paper Association; www.afandpa.org.
 - 12. AGA American Gas Association; www.aga.org.
 - 13. AHAM Association of Home Appliance Manufacturers; www.aham.org.
 - 14. AHRI Air-Conditioning, Heating, and Refrigeration Institute (The); www.ahrinet.org.
 - 15. Al Asphalt Institute; www.asphaltinstitute.org.
 - 16. AIA American Institute of Architects (The); www.aia.org.
 - 17. AISC American Institute of Steel Construction; www.aisc.org.
 - 18. AISI American Iron and Steel Institute; www.steel.org.
 - 19. AITC American Institute of Timber Construction; www.aitc-glulam.org.
 - 20. AMCA Air Movement and Control Association International, Inc.; www.amca.org.
 - 21. ANSI American National Standards Institute; www.ansi.org.
 - 22. AOSA Association of Official Seed Analysts, Inc.; www.aosaseed.com.
 - 23. APA APA The Engineered Wood Association; www.apawood.org.
 - 24. APA Architectural Precast Association; www.archprecast.org.
 - 25. API American Petroleum Institute; www.api.org.
 - 26. ARI Air-Conditioning & Refrigeration Institute; (See AHRI).
 - 27. ARI American Refrigeration Institute; (See AHRI).
 - 28. ARMA Asphalt Roofing Manufacturers Association; www.asphaltroofing.org.
 - 29. ASCE American Society of Civil Engineers; www.asce.org.
 - ASCE/SEI American Society of Civil Engineers/Structural Engineering Institute; (See ASCE).

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- 31. ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers; www.ashrae.org.
- 32. ASME ASME International; (American Society of Mechanical Engineers); www.asme.org.
- 33. ASSE American Society of Safety Engineers (The); www.asse.org.
- 34. ASSE American Society of Sanitary Engineering; www.asse-plumbing.org.
- 35. ASTM ASTM International; www.astm.org.
- 36. ATIS Alliance for Telecommunications Industry Solutions; www.atis.org.
- 37. AWEA American Wind Energy Association; www.awea.org.
- 38. AWI Architectural Woodwork Institute; www.awinet.org.
- 39. AWMAC Architectural Woodwork Manufacturers Association of Canada; www.awmac.com.
- 40. AWPA American Wood Protection Association; www.awpa.com.
- 41. AWS American Welding Society; www.aws.org.
- 42. AWWA American Water Works Association; www.awwa.org.
- 43. BHMA Builders Hardware Manufacturers Association; www.buildershardware.com.
- 44. BIA Brick Industry Association (The); www.gobrick.com.
- 45. BICSI BICSI, Inc.; www.bicsi.org.
- 46. BIFMA BIFMA International; (Business and Institutional Furniture Manufacturer's Association); www.bifma.org.
- 47. BISSC Baking Industry Sanitation Standards Committee; www.bissc.org.
- 48. BWF Badminton World Federation; (Formerly: International Badminton Federation); www.bissc.org.
- 49. CDA Copper Development Association; <u>www.copper.org</u>.
- 50. CEA Canadian Electricity Association; www.electricity.ca.
- 51. CEA Consumer Electronics Association; www.ce.org.
- 52. CFFA Chemical Fabrics and Film Association, Inc.; www.chemicalfabricsandfilm.com.
- 53. CFSEI Cold-Formed Steel Engineers Institute; www.cfsei.org.
- 54. CGA Compressed Gas Association; www.cganet.com.
- 55. CIMA Cellulose Insulation Manufacturers Association; <u>www.cellulose.org</u>.
- 56. CISCA Ceilings & Interior Systems Construction Association; www.cisca.org.
- 57. CISPI Cast Iron Soil Pipe Institute; www.cispi.org.
- 58. CLFMI Chain Link Fence Manufacturers Institute; www.chainlinkinfo.org.
- 59. CPA Composite Panel Association; <u>www.pbmdf.com</u>.
- 60. CRI Carpet and Rug Institute (The); www.carpet-rug.org.
- 61. CRRC Cool Roof Rating Council; www.coolroofs.org.
- 62. CRSI Concrete Reinforcing Steel Institute; www.crsi.org.
- 63. CSA Canadian Standards Association; <u>www.csa.ca</u>.
- 64. CSA CSA International; (Formerly: IAS International Approval Services); www.csa-international.org.
- 65. CSI Construction Specifications Institute (The); www.csinet.org.
- 66. CSSB Cedar Shake & Shingle Bureau; www.cedarbureau.org.
- 67. CTI Cooling Technology Institute; (Formerly: Cooling Tower Institute); www.cti.org.
- 68. CWC Composite Wood Council; (See CPA).
- 69. DASMA Door and Access Systems Manufacturers Association; www.dasma.com.
- 70. DHI Door and Hardware Institute; www.dhi.org.
- 71. ECA Electronic Components Association; (See ECIA).
- 72. ECAMA Electronic Components Assemblies & Materials Association; (See ECIA).
- 73. ECIA Electronic Components Industry Association; www.eciaonline.org.
- 74. EIA Electronic Industries Alliance; (See TIA).
- 75. EIMA EIFS Industry Members Association; www.eima.com.
- 76. EJMA Expansion Joint Manufacturers Association, Inc.; www.ejma.org.
- 77. ESD ESD Association; (Electrostatic Discharge Association); www.esda.org.
- 78. ESTA Entertainment Services and Technology Association; (See PLASA).

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- 79. EVO Efficiency Valuation Organization; www.evo-world.org.
- 80. FCI Fluid Controls Institute; www.fluidcontrolsinstitute.org.
- 81. FIBA Federation Internationale de Basketball; (The International Basketball Federation); www.fiba.com.
- 82. FIVB Federation Internationale de Volleyball; (The International Volleyball Federation); www.fivb.org.
- 83. FM Approvals FM Approvals LLC; www.fmglobal.com.
- 84. FM Global FM Global; (Formerly: FMG FM Global); www.fmglobal.com.
- 85. FRSA Florida Roofing, Sheet Metal & Air Conditioning Contractors Association, Inc.; www.floridaroof.com.
- 86. FSA Fluid Sealing Association; www.fluidsealing.com.
- 87. FSC Forest Stewardship Council U.S.; www.fscus.org.
- 88. GA Gypsum Association; <u>www.gypsum.org</u>.
- 89. GANA Glass Association of North America; www.glasswebsite.com.
- 90. GS Green Seal; www.greenseal.org.
- 91. HI Hydraulic Institute; www.pumps.org.
- 92. HI/GAMA Hydronics Institute/Gas Appliance Manufacturers Association; (See AHRI).
- 93. HMMA Hollow Metal Manufacturers Association; (See NAAMM).
- 94. HPVA Hardwood Plywood & Veneer Association; www.hpva.org.
- 95. HPW H. P. White Laboratory, Inc.; www.hpwhite.com.
- 96. IAPSC International Association of Professional Security Consultants; www.iapsc.org.
- 97. IAS International Accreditation Service; www.iasonline.org.
- 98. IAS International Approval Services; (See CSA).
- 99. ICBO International Conference of Building Officials; (See ICC).
- 100. ICC International Code Council; www.iccsafe.org.
- 101. ICEA Insulated Cable Engineers Association, Inc.; www.icea.net.
- 102. ICPA International Cast Polymer Alliance; www.icpa-hq.org.
- 103. ICRI International Concrete Repair Institute, Inc.; www.icri.org.
- 104. IEC International Electrotechnical Commission; www.iec.ch.
- 105. IEEE Institute of Electrical and Electronics Engineers, Inc. (The); www.ieee.org.
- IES Illuminating Engineering Society; (Formerly: Illuminating Engineering Society of North America); www.ies.org.
- 107. IESNA Illuminating Engineering Society of North America; (See IES).
- 108. IEST Institute of Environmental Sciences and Technology; www.iest.org.
- 109. IGMA Insulating Glass Manufacturers Alliance; www.igmaonline.org.
- 110. IGSHPA International Ground Source Heat Pump Association; www.igshpa.okstate.edu.
- 111. ILI Indiana Limestone Institute of America, Inc.; www.iliai.com.
- 112. Intertek Intertek Group; (Formerly: ETL SEMCO; Intertek Testing Service NA); www.intertek.com.
- 113. ISA International Society of Automation (The); (Formerly: Instrumentation, Systems, and Automation Society); <u>www.isa.org</u>.
- 114. ISAS Instrumentation, Systems, and Automation Society (The); (See ISA).
- 115. ISFA International Surface Fabricators Association; (Formerly: International Solid Surface Fabricators Association); www.isfanow.org.
- 116. ISO International Organization for Standardization; www.iso.org.
- 117. ISSFA International Solid Surface Fabricators Association; (See ISFA).
- 118. ITU International Telecommunication Union; www.itu.int/home.
- 119. KCMA Kitchen Cabinet Manufacturers Association; www.kcma.org.
- 120. LMA Laminating Materials Association; (See CPA).
- 121. LPI Lightning Protection Institute; www.lightning.org.
- 122. MBMA Metal Building Manufacturers Association; www.mbma.com.
- 123. MCA Metal Construction Association; www.metalconstruction.org.
- 124. MFMA Maple Flooring Manufacturers Association, Inc.; www.maplefloor.org.
- 125. MFMA Metal Framing Manufacturers Association, Inc.; www.metalframingmfg.org.

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- 126. MHIA Material Handling Industry of America; www.mhia.org.
- 127. MIA Marble Institute of America; www.marble-institute.com.
- 128. MMPA Moulding & Millwork Producers Association; www.wmmpa.com.
- 129. MPI Master Painters Institute; www.paintinfo.com.
- 130. MSS Manufacturers Standardization Society of The Valve and Fittings Industry Inc.; www.mss-hq.org.
- 131. NAAMM National Association of Architectural Metal Manufacturers; www.naamm.org.
- 132. NACE NACE International; (National Association of Corrosion Engineers International); www.nace.org.
- 133. NADCA National Air Duct Cleaners Association; www.nadca.com.
- 134. NAIMA North American Insulation Manufacturers Association; www.naima.org.
- 135. NBGQA National Building Granite Quarries Association, Inc.; www.nbgqa.com.
- 136. NBI New Buildings Institute; <u>www.newbuildings.org</u>.
- 137. NCAA National Collegiate Athletic Association (The); www.ncaa.org.
- 138. NCMA National Concrete Masonry Association; www.ncma.org.
- 139. NEBB National Environmental Balancing Bureau; <u>www.nebb.org</u>.
- 140. NECA National Electrical Contractors Association; <u>www.necanet.org</u>.
- 141. NeLMA Northeastern Lumber Manufacturers Association; www.nelma.org.
- 142. NEMA National Electrical Manufacturers Association; www.nema.org.
- 143. NETA InterNational Electrical Testing Association; www.netaworld.org.
- 144. NFHS National Federation of State High School Associations; www.nfhs.org.
- 145. NFPA National Fire Protection Association; www.nfpa.org.
- 146. NFPA NFPA International; (See NFPA).
- 147. NFRC National Fenestration Rating Council; www.nfrc.org.
- 148. NHLA National Hardwood Lumber Association; www.nhla.com.
- 149. NLGA National Lumber Grades Authority; www.nlga.org.
- 150. NOFMA National Oak Flooring Manufacturers Association; (See NWFA).
- 151. NOMMA National Ornamental & Miscellaneous Metals Association; www.nomma.org.
- 152. NRCA National Roofing Contractors Association; www.nrca.net.
- 153. NRMCA National Ready Mixed Concrete Association; www.nrmca.org.
- 154. NSF NSF International; www.nsf.org.
- 155. NSPE National Society of Professional Engineers; www.nspe.org.
- 156. NSSGA National Stone, Sand & Gravel Association; www.nssga.org.
- 157. NTMA National Terrazzo & Mosaic Association, Inc. (The); www.ntma.com.
- 158. NWFA National Wood Flooring Association; www.nwfa.org.
- 159. PCI Precast/Prestressed Concrete Institute; www.pci.org.
- 160. PDI Plumbing & Drainage Institute; www.pdionline.org.
- 161. PLASA PLASA; (Formerly: ESTA Entertainment Services and Technology Association); www.plasa.org.
- 162. RCSC Research Council on Structural Connections; www.boltcouncil.org.
- 163. RFCI Resilient Floor Covering Institute; www.rfci.com.
- 164. RIS Redwood Inspection Service; <u>www.redwoodinspect</u>ion.com.
- 165. SAE SAE International; www.sae.org.
- 166. SCTE Society of Cable Telecommunications Engineers; www.scte.org.
- 167. SDI Steel Deck Institute; www.sdi.org.
- 168. SDI Steel Door Institute; www.steeldoor.org.
- 169. SEFA Scientific Equipment and Furniture Association (The); www.sefalabs.com.
- 170. SEI/ASCE Structural Engineering Institute/American Society of Civil Engineers; (See ASCE).
- 171. SIA Security Industry Association; www.siaonline.org.
- 172. SJI Steel Joist Institute; www.steeljoist.org.
- 173. SMA Screen Manufacturers Association; www.smainfo.org.
- 174. SMACNA Sheet Metal and Air Conditioning Contractors' National Association; www.smacna.org.

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- 175. SMPTE Society of Motion Picture and Television Engineers; <u>www.smpte.org</u>.
- 176. SPFA Spray Polyurethane Foam Alliance; www.sprayfoam.org.
- 177. SPIB Southern Pine Inspection Bureau; www.spib.org.
- 178. SPRI Single Ply Roofing Industry; www.spri.org.
- 179. SRCC Solar Rating & Certification Corporation; www.solar-rating.org.
- 180. SSINA Specialty Steel Industry of North America; www.ssina.com.
- 181. SSPC SSPC: The Society for Protective Coatings; www.sspc.org.
- 182. STI Steel Tank Institute; www.steeltank.com.
- 183. SWI Steel Window Institute; www.steelwindows.com.
- 184. SWPA Submersible Wastewater Pump Association; www.swpa.org.
- 185. TCA Tilt-Up Concrete Association; www.tilt-up.org.
- 186. TCNA Tile Council of North America, Inc.; www.tileusa.com.
- 187. TEMA Tubular Exchanger Manufacturers Association, Inc.; www.tema.org.
- 188. TIA Telecommunications Industry Association (The); (Formerly: TIA/EIA Telecommunications Industry Association/Electronic Industries Alliance); www.tiaonline.org.
- 189. TIA/EIA Telecommunications Industry Association/Electronic Industries Alliance; (See TIA).
- 190. TMS The Masonry Society; www.masonrysociety.org.
- 191. TPI Truss Plate Institute; www.tpinst.org.
- 192. TPI Turfgrass Producers International; www.turfgrasssod.org.
- 193. TRI Tile Roofing Institute; www.tileroofing.org.
- 194. UL Underwriters Laboratories Inc.; www.ul.com.
- 195. UNI Uni-Bell PVC Pipe Association; www.uni-bell.org.
- 196. USAV USA Volleyball; www.usavolleyball.org.
- 197. USGBC U.S. Green Building Council; www.usgbc.org.
- 198. USITT United States Institute for Theatre Technology, Inc.; www.usitt.org.
- 199. WASTEC Waste Equipment Technology Association; www.wastec.org.
- 200. WCLIB West Coast Lumber Inspection Bureau; www.wclib.org.
- 201. WCMA Window Covering Manufacturers Association; www.wcmanet.org.
- 202. WDMA Window & Door Manufacturers Association; www.wdma.com.
- 203. WI Woodwork Institute; www.wicnet.org.
- 204. WSRCA Western States Roofing Contractors Association; www.wsrca.com.
- 205. WWPA Western Wood Products Association; www.wwpa.org.
- C. Code Agencies: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list. This information is believed to be accurate as of the date of the Contract Documents.
 - 1. DIN Deutsches Institut fur Normung e.V.; www.din.de.
 - 2. IAPMO International Association of Plumbing and Mechanical Officials; www.iapmo.org.
 - 3. ICC International Code Council; www.iccsafe.org.
 - 4. ICC-ES ICC Evaluation Service, LLC; www.icc-es.org.
- D. Federal Government Agencies: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list. Information is subject to change and is up to date as of the date of the Contract Documents.
 - 1. COE Army Corps of Engineers; www.usace.army.mil.
 - 2. CPSC Consumer Product Safety Commission; www.cpsc.gov.
 - 3. DOC Department of Commerce; National Institute of Standards and Technology; www.nist.gov.
 - 4. DOD Department of Defense; www.quicksearch.dla.mil.

- 5. DOE Department of Energy; <u>www.energy.gov</u>.
- 6. EPA Environmental Protection Agency; <u>www.epa.gov</u>.
- 7. FAA Federal Aviation Administration; www.faa.gov.
- 8. FG Federal Government Publications; <u>www.gpo.gov</u>.
- 9. GSA General Services Administration; www.gsa.gov.
- 10. HUD Department of Housing and Urban Development; www.hud.gov.
- 11. LBL Lawrence Berkeley National Laboratory; Environmental Energy Technologies Division; www.eetd.lbl.gov.
- 12. OSHA Occupational Safety & Health Administration; www.osha.gov.
- 13. SD Department of State; www.state.gov.
- 14. TRB Transportation Research Board; National Cooperative Highway Research Program; The National Academies; <u>www.trb.org</u>.
- 15. USDA Department of Agriculture; Agriculture Research Service; U.S. Salinity Laboratory; www.ars.usda.gov.
- 16. USDA Department of Agriculture; Rural Utilities Service; www.usda.gov.
- 17. USDJ Department of Justice; Office of Justice Programs; National Institute of Justice; www.ojp.usdoj.gov.
- 18. USP U.S. Pharmacopeial Convention; www.usp.org.
- 19. USPS United States Postal Service; www.usps.com.
- E. Standards and Regulations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the standards and regulations in the following list. This information is subject to change and is believed to be accurate as of the date of the Contract Documents.
 - 1. CFR Code of Federal Regulations; Available from Government Printing Office; www.gpo.gov/fdsys.
 - 2. DOD Department of Defense; Military Specifications and Standards; Available from DLA Document Services; www.quicksearch.dla.mil.
 - 3. DSCC Defense Supply Center Columbus; (See FS).
 - 4. FED-STD Federal Standard; (See FS).
 - FS Federal Specification; Available from DLA Document Services; www.quicksearch.dla.mil.
 - a. Available from Defense Standardization Program; www.dsp.dla.mil.
 - b. Available from General Services Administration; www.gsa.gov.
 - c. Available from National Institute of Building Sciences/Whole Building Design Guide; www.wbdg.org/ccb.
 - 6. MILSPEC Military Specification and Standards; (See DOD).
 - 7. USAB United States Access Board; www.access-board.gov.
 - 8. USATBCB U.S. Architectural & Transportation Barriers Compliance Board; (See USAB).
- F. State Government Agencies: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list. This information is subject to change and is believed to be accurate as of the date of the Contract Documents.
 - 1. CBHF; State of California; Department of Consumer Affairs; Bureau of Electronic and Appliance Repair, Home Furnishings and Thermal Insulation; www.bearhfti.ca.gov.
 - 2. CCR; California Code of Regulations; Office of Administrative Law; California Title 24 Energy Code; www.calregs.com.
 - 3. CDHS; California Department of Health Services; (See CDPH).

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- 4. CDPH; California Department of Public Health; Indoor Air Quality Program; www.cal-iaq.org.
- 5. CPUC; California Public Utilities Commission; www.cpuc.ca.gov.
- 6. SCAQMD; South Coast Air Quality Management District; www.aqmd.gov.
- 7. TFS; Texas A&M Forest Service; Sustainable Forestry and Economic Development; www.txforestservice.tamu.edu.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 4200