PART 1 – GENERAL

1.1 REQUIREMENTS INCLUDED

A. This Section includes the language definitions and standard references and agency/association acronyms included in the Contract Documents. Additional term definitions are included in the individual Specification Sections.

1.2 QUALITY ASSURANCE

A. Application: When a standard is specified by reference, the Contractor shall comply with the requirements and recommendations stated in that standard, except when requirements are modified by the Contract Documents or other applicable codes establish more stringent standards.

B. Publication Date: The publication in effect on the Bid Date, except where a specific version date or publication date is specified in the Contract Documents.

1.3 LANGUAGE DEFINITIONS

A. “Directed”, “Designated”, “Selected”, “Requested”, “Authorized”, “Permitted”, or words of similar import: Direction, designation, selection, or similar action of the Owner is intended.

B. “Require” and words of similar import: As required to complete Work and as required by the Owner.

C. “Shall” or “Must”: A mandatory requirement or activity of the Contractor or his associated Subcontractor.

D. “Perform”: Contractor shall perform operations necessary to complete Work, including furnishing of necessary labor, tools and equipment and further including and installing of materials indicated, specified or required to complete performance within the Contract Price.

E. “Provide”: Contractor shall furnish and install Work.

F. “Other acceptable manufacturer", "equal", "acceptable equal", "equivalent", or words of similar import: Refer to products or work proven to the satisfaction of the Owner, Architect/Engineer, or any specific department of the Airport to comply with the intent of the Contract Documents.

G. "Acceptance", "acceptable”, or words of similar import: Acceptance, acceptable or similar words shall be as approved by the Owner. "Accepted" or “Acceptance”, where used in conjunction with an action on the Contractor's submittals, and requests, is limited to responsibilities and duties of the Owner’s Authorized Representative (OAR), Architect/Engineer, or any department of the Owner as stated in General and Supplementary Conditions. Approval does not release the Contractor from responsibility to fulfill the requirements of the Contract Documents, unless specifically stated otherwise in the Approval or Acceptance provided by the Owner.

H. "At no extra cost to Owner", "With no extra compensation to Contractor", "At Contractor's sole expense", or words of similar import: Terms shall be understood to mean that Contractor shall perform or provide specified operation of Work at no increase to Contract Amount stated in executed Contract.

I. "NIC": Work identified on the Contract Documents, which is not being performed or provided as part of the Contract; the term shall mean "Not in This Contract" or "Not Part of Work to be performed or provided by Contractor". "NIC" work is indicated as

an aid to Contractor in scheduling amount of time and materials necessary for completion of Contract.

J. "Indicated" refers to graphic representations, notes or schedules on the Plans, in other Specification Sections, or schedules, and similar requirements in the Contract Documents. Where the term "shown", "noted", "scheduled", and "specified" are used, it is to help locate the reference.

K. "Regulation" includes laws, statutes, ordinances, and lawful orders issued by authorities having jurisdiction, as well as rules, conventions, and agreements within construction industry that control performance of Work, whether they are lawfully imposed by authorities having jurisdiction or not.

L. "Furnish" means supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and placing into operation in accordance with the Contract Documents.

M. “Incidental” means materials or efforts required for the completion of the Work or a work item but will not be itemized for payment individually and will be considered as part of the overall Work or construction or installation of another work item.

N. "Install" means unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, and finishing, curing, protecting, cleaning and similar operations.

O. "Installer" is a person or firm engaged by Contractor, either as employee or Subcontractor, regardless of tier, for performance of a particular construction activity, including installation, erection, application, and similar operations. Installers are required to be experienced in operations they are engaged to perform. The term "experienced", when used with "installer", means having minimum five (5) years previous experience in projects similar in size and scope to this Project, and familiar with precautions required, and has complied with requirements of authority having jurisdiction.

P. "Project site" is space available to Contractor for performance of Work, either exclusively or in conjunction with others performing construction as part of Project. The limits of Project site is shown on the Plans, or described in the Contract Documents, and may or may not be identical with description of land upon which Project is to be constructed.

Q. “Specification Section” (Section), “Project Specification”, “Technical Specification”, shall refer to the specifications identified or included in the Project Manual or refer to the requirements of a Reference Standard depending on context.

R. "Testing Laboratory" is an independent entity engaged by the Owner to perform specific inspections or tests, either at Project site or elsewhere, and to report on, and if required, to interpret results of those inspections or tests.

1.4 SPECIFICATION SENTENCE STRUCTURE

A. Simple imperative mood of sentence structure may be used in the Specification Sections which place a verb as first word in sentence. Where "perform", "provide", "install", "erect", "furnish", "connect", "test", or words of similar import are used, it shall be understood that words include meanings of the phrase "The Contractor shall..." is included before such words for interpretation.

B. Subsection titles and other identifications of subject matter in Specification Sections are intended as aid in locating and recognizing various requirements in Specification Sections. Titles do not define, limit or otherwise restrict the text of the Specification Sections text. Capitalizing of words in text does not signify or mean that words convey special or unique meanings having precedence over other parts of Contract Documents. Specification text shall govern over titling and shall be understood to be interpreted as a whole.

1.5 DOCUMENT ORGANIZATION

The organization of the Project Manual and Plans are not intended to control or to lessen responsibility of the Contractor in dividing Work among its Subcontractors, or in establishing extent of the Work to be performed by any trade.

1.6 SYMBOLS

A. Graphic symbols used in the Contract Documents are those symbols recognized in construction industry for indicated purposes. Where not otherwise noted, symbols are those defined in "Architectural Graphics Standards", published by John Wiley & Sons, Inc., Current Edition.

B. Graphic symbols used on mechanical and electrical drawings are generally aligned with symbols recommended by American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE). Where appropriate, mechanical and electrical symbols are supplemented by more specific symbols recommended by the technical associations including: American Society of Mechanical Engineers (ASME), American Society of Plumbing Engineers (ASPE), Institute of Electrical and Electronics Engineers (IEEE), and similar organizations. The Contractor shall request clarification from the OAR if the symbols are unfamiliar.

1.7 REFERENCE STANDARDS

A. Reference Standard-Abbreviations:

1. Reference standards are referred to in Specification Sections by basic designation only.

2. Where acronyms or abbreviations are used in the Contract Documents, they shall mean recognized name of trade association, standards generating organization, authority having jurisdiction, or other organization applicable to context of requirement.

3. Acronyms for governmental agencies and private associations are provided in this Section as an aid to the Contractor and are not all inclusive.

4. Refer to "Encyclopedia of Associations", published by Gale Research Company, available in most public libraries, to reference unfamiliar organization acronyms or abbreviations.

B. Publications of organizations and societies listed in individual Specification Sections shall be considered an integral part of Contract Documents to extent referenced. Work shall be executed on the Project in accordance with the requirements of the Reference Standards listed to the extent such requirements do not supersede or conflict with the requirements within the Contract Documents.

C. Where a conflict may exist between requirements of two or more Reference Standards, and the Contract Documents do not clearly supersede the conflict, the Contractor shall request clarification from the OAR, prior to proceeding with activities

which are affected by such conflict. If work activities impacted by such conflict are on-going, the Contractor shall stop work request a clarification from the OAR.

D. If the Contractor does not request conflict clarification prior to proceeding or continuing with activities impacted or controlled by such information, the Contractor shall be proceeding at risk and will not be compensated for any re-work or removal of work, labor, material, or any other costs associated with the impacted work.

E. Publications may be referenced in text by basic designation only with organizations and societies referenced by abbreviations indicated.

F. When a Reference Standard is referred to in an individual Specification Section, but is not listed by title and date, it shall be considered to be the latest edition of such reference including the appropriate supplements, amendments, revisions, or errata at the date of the issuance of the Project Manual.

G. The Contractor shall provide at the Project site copies of the Reference Standards as required, or as the OAR may request, and maintain those copies at Project site throughout construction period to ensure proper performance of the Work.

1.8 ABBREVIATIONS AND NAMES OF ORGANIZATIONS

Obtain copies of Reference Standards direct from publication source. All Airport codes and reference documents may be obtained online, as noted in various Sections, or from the Design, Code, and Construction Department (DCC).

AA	Aluminum Association
AABC	Associated Air Balance Council
AAMA	American Architectural Manufacturers Association
AAES	American Association of Engineering Societies
AAN	American Association of Nurserymen
AASHTO	American Association of State Highway Transportation Officials
ACEI	Air Conditioning Engineers, Inc.
ACG	AABC Commissioning Group
ACI	American Concrete Institute
AGA	American Gas Association
AGC	Associated General Contractors of America
AHA	American Hardboard Association
AI	Asphalt Institute
AIA	American Institute of Architects
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
ALSC	American Lumber Standards Committee
AMCA	Air Movement and Control Association
ANSI	American National Standards Institute
APA	American Plywood Association

APFA	American Pipe Fittings Association
ARI	Air-Conditioning and Refrigeration Institute
ASA	American Subcontractors Association
ASCA	American Spray Coaters Association
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers
ASLA	American Society of Landscape Architects
ASME	American Society of Mechanical Engineers
ASPE	American Society of Plumbing Engineers
ASSE	American Society of Sanitary Engineering
ASTM	American Society for Testing and Materials
AWWA	American Water Works Association
AWI	Architectural Woodwork Institute
AWPA	American Wood-Preservers' Association
AWS	American Welding Society
BCA	Building Commissioning Association
BIA	Brick Institute of America
BHMA	Builders Hardware Manufacturers Association
BOCA	Building Officials and Code Administrators
CBM	Certified Ballast Manufacturers
CDA	Copper Development Association
CISCA	Ceiling & Interior Systems Construction Association
CISPI	Cast Iron Soil Pipe Institute
CLFMI	Chain Link Fence Manufacturers Institute
CPSC	Consumer Product Safety Commission
CRSI	Concrete Reinforcing Steel Institute
CS	Commercial Standard
CSI	Construction Specifications Institute
CTI	Ceramic Tile Institute
DHI	Door & Hardware Institute
EPA	Environmental Protection Agency
FM	Factory Mutual System
FAA	Federal Aviation Administration
FARs	Federal Aviation Regulations

FGMA	Flat Glass Marketing Association
FS	Federal Specification
FSCSI	Food Service Consultants Society International
GA	Gypsum Association
HPMA	Hardwood Plywood Manufacturers Association
IAPMO	International Institute of Plumbing and Mechanical Officials
ICBO	International Conference of Building Officials
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
IETA	International Electrical Testing Association, Inc.
IILP	International Institute for Lath & Plaster
ILI	Indiana Limestone Institute of America
IPCEA	Industrial Power Cable Engineers Association
ISA	Instrument Society of America
IWA	International Waterproofing Association
MCAA	Mechanical Contractors Association of America
MLSFA	Metal Lath/Steel Framing Association
MIA	Marble Institute of America
MIL	Military Specifications
MSHA	Mine Safety and Health Administration
MSSVFI	Manufacturer’s Standardization Society of the Valve & Fitting Industry
NAAMM	National Association of Architectural Metal Manufacturers
NAFM	National Association of Fan Manufacturers
NAPA	National Asphalt Pavement Association
NBS	National Bureau of Standards
NCPWB	National Certified Pipe Welders Bureau
NCTCOG	North Central Texas Council of Governments
NEBB	National Environmental Balancing Bureau
NEC	National Electric Code
NEMA	National Electrical Manufacturer's Association
NFC	National Fire Code
NFPA	National Fire Protection Association
NFPA	National Forest Products Association
NIOSH	National Institute for Occupational Safety and Health

NRC	National Response Center
NRCA	National Roofing Contractors Association
NSF	National Sanitation Foundation
NSWMA	National Solid Wastes Management Association
NTMA	National Terrazzo & Mosaic Association
NWWDA	National Wood Window and Door Association
OSHA	Occupational Safety and Health Administration
PCA	Portland Cement Association
PCI	Precast/Prestressed Concrete Institute
PDI	Plumbing & Drainage Institute
PEI	Porcelain Enamel Institute
PS	Product Standard
SBCCI	Southern Building Code Congress International
SDI	Steel Deck Institute
SDI	Steel Door Institute
SIGMA	Sealed Insulating Glass Manufacturing Association
SJI	Steel Joist Institute
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association
SPIB	Southern Pine Inspection Bureau
SPRI	Single Ply Roofing Institute
SSPC	Steel Structures Painting Council
TAS	Technical Air Series
TCA	Tile Council of America, Inc.
TCEQ	Texas Commission on Environmental Quality
TDSHS	Texas Department of State Health Services
TxDOT	Texas Department of Transportation
UBC	Uniform Building Code
UL	Underwriters Laboratories, Inc.
UPC	Uniform Plumbing Code
USDA	United States Department of Agriculture
USDC	United States Department of Commerce
USPS	United States Postal Service
WRI	Wire Reinforcement Institute
WWPA	Woven Wire Products Association

PART 2 – PRODUCTS

Not Used.

PART 3 – EXECUTION

Not Used.

PART 4 – MEASUREMENT AND PAYMENT

Not Used.

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