



HILLSBOROUGH COUNTY
AVIATION AUTHORITY

PROJECT MANUAL

(Containing Bidding and Contract Requirements, and Specifications)

FOR

**AIRSIDE A BUILDING AUTOMATION
SYSTEM UPGRADE**

AUTHORITY PROJECT NUMBER 5755 18
FDOT FM PROJECT NUMBER 428057-9

**TAMPA INTERNATIONAL AIRPORT
TAMPA, FLORIDA**

Prepared By: Procurement Department

BOARD AWARD: NOVEMBER 2, 2017

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Authority Project No. 5755 18
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EXHIBIT A – AVIATION AUTHORITY APPLICATION FOR PAYMENT

ATTACHMENT 1 – PROPOSAL

END OF SECTION

SECTION 00417 - WOMAN AND MINORITY OWNED BUSINESS ENTERPRISE (W/MBE) ASSURANCE AND PARTICIPATION

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Select one of the following responses below.

No. Bidder is NOT proposing W/MBE Goal.

No specific Goal for W/MBE participation has been established for this Solicitation; however, the Bidder will make a good faith effort, in accordance with Authority's W/MBE Policy and Program, throughout the term of the awarded Contract, to subcontract with W/MBE firms certified as a woman-owned or minority-owned business by the City of Tampa, Hillsborough County, State of Florida Department of Management Services, Office of Supplier Diversity (OSD), or as a Disadvantaged Business Enterprise (DBE) under the Florida Unified Certification Program (FLUCP), in the performance of the awarded Contract.

OR

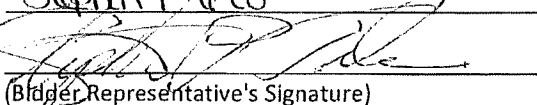
Yes. Bidder is proposing W/MBE participation Goal.

The Bidder assures that it will subcontract with W/MBE firms in an amount equal to at least 24 % of the total dollar amount of the awarded Contract. The Bidder is required to submit a Letter of Intent for each W/MBE that is proposed to participate in the awarded Contract at the time the Bid is submitted to the Owner. The actual W/MBE contractual commitment will be the total amount of participation shown on the validated Letter(s) of Intent submitted by the Bidder. It is understood that the amounts shown on the Letter(s) of Intent are estimates and that actual amounts paid to W/MBE subcontractors may vary depending on the final adjustments of the estimated quantities; however, the W/MBE contractual commitment can only be modified by an amendment or change order.

By: Name of Bidder: Johnson Controls

Date: 09/26/17

Bidder Representative's Name:

Stephen P. Melo

(Bidder Representative's Signature)

Title: Florida Area Service Manager

SECTION 00417 - WOMAN AND MINORITY OWNED BUSINESS ENTERPRISE (W/MBE) ASSURANCE AND PARTICIPATION

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Letter of Intent Instructions Checklist

Follow this checklist when completing the Letter of Intent.

- A separate Letter of Intent has been completed for each proposed W/MBE firm.
- The Bidder's name, address, telephone number, FAX number and e-mail address has been entered.
- The proposed W/MBE firm's name, address, telephone number, FAX number and e-mail address has been entered.
- The description of the work to be performed by the W/MBE firm has been entered.
- The amount of the proposed W/MBE firm's subcontract has been entered.
- The Bidder has completed and signed the Commitment section.
- The W/MBE firm has completed and signed the Affirmation section.
- A copy of the W/MBE firm's certification letter by the City of Tampa, Hillsborough County, State of Florida Department of Management Services, Office of Supplier Diversity (OSD) or DBE certification letter under the Florida Unified Certification Program (FLUCP) is attached to the Letter of Intent.

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Letter of Intent

Name of Bidder's firm: Johnson Controls
Address: 3802 Sugar Palm Drive
City: Tampa State: Florida Zip Code: 33619
Phone: (813) 623-1188 Fax number: (813) 635-2276
E-mail: _____

Name of W/MBE firm: Delgado Electric, Inc.
Address: 4820 North Clark Ave
City: Tampa State: Florida Zip Code: 33624
Phone: (813) 876-4782 Fax number: _____
E-mail: _____

Description of work to be performed by W/MBE firm: DDC Controls installation including conduit and wiring

Amount of the W/MBE firm's subcontract \$ 132,000.00

Commitment

The Bidder is committed to utilizing the above-named W/MBE firm for the work described above.

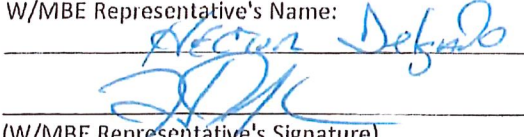
By: Name of Bidder: Johnson Controls Date: 10/3/17

Bidder Representative's Name: STEPHEN P. TELO Title: FLORIDA AREA SERVICE MANAGER

(Bidder Representative's Signature)

Affirmation

By: Name of W/MBE Firm: Delgado Electric Inc Date: 10/2/17

W/MBE Representative's Name: Victor Delgado Title: president

(W/MBE Representative's Signature)

SECTION 00417 - WOMAN AND MINORITY OWNED BUSINESS ENTERPRISE (W/MBE) ASSURANCE AND PARTICIPATION

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Letter of Intent

If the Bidder does not receive award of the Contract, any and all representations in this Letter of Intent will be null and void.

NOTE: The cost of materials and/or supplies obtained and/or equipment leased by the W/MBE to perform the subcontract work (except supplies and equipment the W/MBE subcontractor purchases or leases from the prime contractor or its affiliate) may be included in the subcontract amount. In addition, the Owner will count 100% of the expenditures on materials and/or supplies obtained from a W/MBE manufacturer or regular dealer. With respect to materials or supplies purchased from a W/MBE which is neither a manufacturer nor a regular dealer, the Owner will count only the amount of fees or commissions charged for assistance with the procurement of the material or supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site.

END OF SECTION

SECTION 00418 - CERTIFICATE OF NON-SEGREGATED FACILITIES

CERTIFICATION TO BE SUBMITTED BY CONSTRUCTION CONTRACTORS OF APPLICANTS AND THEIR SUBCONTRACTORS (APPLICABLE TO CONSTRUCTION CONTRACTS AND RELATED SUBCONTRACTS EXCEEDING TEN THOUSAND DOLLARS (US \$10,000.00) WHICH ARE NOT EXEMPT FROM THE EQUAL OPPORTUNITY CLAUSE)

The construction Contractor certifies that it does not maintain or provide, for its employees, any segregated facilities at any of its establishments and that construction Contractor does not permit its employees to perform their services at any location, under construction Contractor's control, where segregated facilities are maintained. The construction Contractor certifies that it will not maintain or provide, for its employees, segregated facilities at any of its establishments and that construction Contractor will not permit its employees to perform their services at any location, under construction Contractor's control, where segregated facilities are maintained. The construction Contractor agrees that a breach of this certification is a violation of the equal opportunity clause in this Contract. As used in this certification, the term "segregated facilities" means any waiting room, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, and transportation and housing facilities provided for employees which are segregated by explicit directives or are in fact segregated on the basis of race, color, religion, or national origin because of habit, local custom, or any other reason. The construction Contractor agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) it will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding ten thousand dollars (US \$10,000.00) which are not exempt from the provisions of the equal opportunity clause and that construction Contractor will retain such certifications in its files.

Johnson Controls

(Name of Bidder)

By: [Signature]
(Signature)

Title: Florida Area Service Manager

Date: 09/26/17

* Must be same signature on Bid Form.

END OF SECTION

SECTION 00421 - SCRUTINIZED COMPANY CERTIFICATION

This certification is required pursuant to Florida Statute Section 287.135.

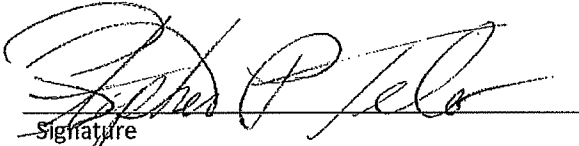
As of October 1, 2016, a company that, at the time of bidding or submitting a bid/response for a new contract/agreement or renewal of an existing contract/agreement, is on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies that Boycott Israel List, created pursuant to Florida Statute Section 215.473, has been engaged in business operations in Syria, is ineligible for, and may not bid on, submit a bid/response for, or enter into or renew a contract/agreement with an agency or local governmental entity for goods or services of \$1 million or more.

Company: Johnson Controls FID or EIN No.: 39-0380010

Address: 3802 Sugar Palm Dr City/State/Zip: Tampa, FL 33619

I, Stephen P. Melo, as a representative of Johnson Controls

certify and affirm that this company is not on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies that Boycott Israel List, or engaged in business operations in Syria.


Signature

Florida Area Service Manager
Title

Stephen P. Melo
Printed Name

09/26/17
Date

END OF SECTION

SECTION 00422 - E-VERIFY CERTIFICATION

This certification is required in accordance with the State of Florida, Office of the Governor, Executive Order Number 11-116 (Verification of Employment Status).

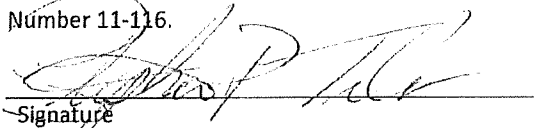
The State of Florida, Office of the Governor, Executive Order Number 11-116 (Verification of Employment Status), and any projects with Florida Department of Transportation (FDOT) funding as part of a Joint Participation Agreement between FDOT and the Authority, require, as a condition of all contracts for the provision of goods or services, an express requirement that contractors utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the contractor during the term of the contract, and an express requirement that contractors include in subcontracts the requirement that subcontractors performing work or providing services pursuant to the contract utilize the E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

Company: Johnson Controls FID or EIN No.: 39-0380010

Address: 3802 Sugar Palm Drive City/State/Zip: Tampa FL 33619

I, Stephen F. Aelo, as a representative of Johnson Controls

certify and affirm that this company will comply with the E-Verification requirements of Executive Order Number 11-116.


Signature

Florida Area Service Manager
Title

Stephen F. Aelo
Printed Name

09/26/17
Date

[Affix Corporate Resolution if not signed by the President or Vice President of the Company]

END OF SECTION

SECTION 00440 - BIDDER'S SELECTION OF PAYMENT METHOD

The Authority offers suppliers the option of receiving payments via ePayables or via Automated Clearing House (ACH).

A. Bidder has the option to receive payments utilizing an ePayables solution during the entire term of this Contract either by utilizing ePayables with Authority's Reverse Discount or ePayables under the Large Ticket Vendor Program. Payment will be processed by Accounts Payable using the ePayable system upon Account Payable's receipt of a Pay Application. After the payment is processed, the Pay Application will be reviewed and verified by the Project Manager. Bidder retains the right to request a review of the rejected or corrected Pay Application. Any further adjustment to the Pay Application resulting from the review will be made in the next billing period. Merchant services fees will apply and are determined by Bidder's agreement with its bank or financial institution that processes credit or debit card payments on behalf of Bidder (Merchant Acquirer). The Authority is not responsible for any agreed upon terms between Bidder and Bidder's Merchant Acquirer. Bidder will receive a reverse discount of 75 basis points from Authority if Bidder does not utilize the Large Ticket Vendor program with its Merchant Acquirer. The Authority's reverse discount is whereby the Authority will give back to the Bidder .75% of the Merchant services fees to the Bidder for not utilizing the Large Ticket Vendor Program. The Authority reserves the right to suspend or discontinue the reverse discount in the event Bidder consistently overcharges Authority.

OR

B. Bidder also has the option to receive payments via Automated Clearing House (ACH). Payment will be issued within 20 days after Authority's verification and approval of a Pay Application. Authority may reject a Pay Application or correct the Pay Application when errors are found. Bidder retains the right to request a review of the rejected or corrected Pay Application. Any further adjustment to the Pay Application resulting from the review will be made in the next billing period.

Bidder may at any time during the term of this Contract elect to change its payment method to ePayables upon written notice to the Assistant Vice President of Planning and Development and the completion of Authority's ePayables application process. If the payment method is changed to ePayables, the information and process described above in Paragraph A, ePayables, will apply.

Please select one of the following electronic payment methods based on the information provided above:

1. ePayables: (Choose only one on this category)

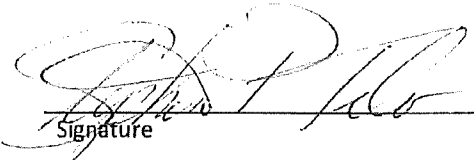
ePayables with Authority Reverse Discount.

ePayables under the Large Ticket Vendor Program.

OR

2. ACH:

Bidder would like to receive payments via ACH.


Signature

Florida Area Service Manager
Title

Stephen P. Aelo
Printed Name

09/26/17
Date

END OF SECTION

SECTION 00510 - CONTRACT

This **CONTRACT** is made and entered into this 2nd day of November, 2017, by and between Johnson Controls, Inc., hereinafter designated as the **Contractor**, and the **Hillsborough County Aviation Authority**, Tampa, Florida, hereinafter referred to as the **Owner**.

WITNESSETH:

CONTRACTOR, agrees with the Owner to the following:

1. THAT THE CONTRACTOR will provide the materials and labor specified and perform, in a first class manner, all Work in connection with the **BUILDING AUTOMATION SYSTEM UPGRADE, at TAMPA INTERNATIONAL AIRPORT**, in the manner and form as provided by the following Contract Documents, which are incorporated by reference and made a part hereof, as if fully contained herein:

PROJECT MANUAL entitled, **BUILDING AUTOMATION SYSTEM UPGRADE** and dated **NOVEMBER 2, 2017**.

2. THAT THE CONTRACTOR will commence the Work within ten days of the date set by the Owner in a written Notice to Proceed and will substantially complete all Work under this Contract on or before October 31, 2018.

3. The Owner hereby enters into this Contract with the Contractor in the Contract Sum amount of Five Hundred Forty Six Thousand and No One-Hundredth Dollars (U. S.) (\$546,000) for the Work in accordance with the Contractor's listed lump sums specified for the item(s) in the Proposal, acknowledged by the Contractor, and included as Attachment 1. Payments will be made for work actually performed upon presentation of the proper certificates to the Owner and upon terms set forth in the Contract Documents.

4. Preference to Florida State Residents: Contractor will give preference to the employment of state residents in the performance of the Work on this Project if state residents have substantially equal qualifications to those of non-residents. The term "substantially equal qualifications" means the qualifications of two or more persons among whom the Contractor cannot make a reasonable determination that the qualifications held by one person are better suited for the position than the qualifications held by the other person or persons. If required to employ state residents, Contractor must contact the Agency for Workforce Innovation to post the Contractor's employment needs in the state's job bank system.

5. To the maximum extent permitted by Florida law, in addition to Contractor's obligation to provide pay for and maintain insurance as set forth elsewhere in this Contract, Contractor will indemnify and hold harmless the Authority, its members, officers, agents, employees, and volunteers from any and all liabilities, suits, claims, expenses, losses, costs, royalties, fines and damages (including but not limited to claims for attorney's fees and court costs) caused in whole or in part by the:

A. presence on, use or occupancy of Authority property;

B. acts, omissions, negligence (including professional negligence and malpractice), recklessness, intentional wrongful conduct, activities, or operations;

C. any breach of the terms of this Contract;

D. performance, non-performance or purported performance of this Contract;

E. violation of any law, regulation, rule or ordinance;

F. infringement of any patent, copyright, trademark, trade dress or trade secret rights; and/or

G. contamination of the soil, groundwater, surface water, storm water, air or the environment by fuel, gas, chemicals or any other substance deemed by the Environmental Protection Agency or other regulatory agency to be an environmental contaminant

by the Contractor or the Contractor's officers, employees, agents, volunteers, subcontractors, invitees, or any other person directly or indirectly employed or utilized by the Contractor, regardless of whether the liability, suit, claim, expense, loss, cost, fine or damages is caused in part by the Authority, its members, officers, agents, employees or volunteers or any other indemnified party. This indemnity obligation expressly applies, and shall be construed to include, any and all claim(s) caused in part by the negligence, acts of omissions of the Owner, its members, officers, agents, employees, and volunteers.

6. In addition to the duty to indemnify and hold harmless, Contractor will have the separate and independent duty to defend the Authority, its members, officers, agents, employees, and volunteers from all suits, claims or actions of any nature seeking damages, expenses, losses, costs, royalties, fines or attorney's fees in the event the suit, claim, or action of any nature arises in whole or in part from:

A. the presence on, use or occupancy of Authority property;

B. acts, omissions, negligence (including professional negligence and malpractice), recklessness, intentional wrongful conduct, activities, or operations;

C. any breach of the terms of this Contract;

D. performance, non-performance or purported performance of this Contract;

E. violation of any law, regulation, rule, order, decree or ordinance;

F. infringement of any patent, copyright, trademark, trade dress or trade secret rights; and/or

G. contamination of the soil, groundwater, surface water, storm water, air or the environment by fuel, gas, chemicals or any other substance deemed by the Environmental Protection Agency or other regulatory agency to be an environmental contaminant

by the Contractor or the Contractor's officers, employees, agents, volunteers, subcontractors, invitees, or any other person directly or indirectly employed or utilized by the Contractor regardless of whether it is caused in part by the Authority, its members, officers, agents, employees, or volunteers or any other indemnified party. This duty to defend exists immediately upon presentation of written notice of a suit, claim or action of any nature to the Contractor by a party entitled to a defense hereunder. This defense obligation expressly applies, and shall be construed to include, any and all claim(s) caused in part by the negligence, acts of omissions of the Owner, its members, officers, agents, employees, and volunteers.

7. If the above indemnity or defense provisions or any part of the above indemnity or defense provisions are limited by Fla. Stat. § 725.06(2)-(3) or Fla. Stat. § 725.08, then with respect to the part so limited, Contractor agrees to the following: To the maximum extent permitted by Florida law, Contractor will indemnify and hold harmless the Authority, its members, officers, agents, employees,

and volunteers from any and all liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fee, to the extent caused by the negligence, recklessness, or intentional wrongful conduct of the Contractor and persons employed or utilized by the Contractor in the performance of this Contract.

8. If the above indemnity or defense provisions or any part of the above indemnity or defense provisions are limited by Florida Statute § 725.06 (1), or any other applicable law, then with respect to the part so limited, the monetary limitation on the extent of the indemnification shall be the greater of the (i) monetary value of this Contract, (ii) coverage amount of Commercial General Liability Insurance required under the Contract or (iii) \$1,000,000.00. Otherwise, the obligations of this Article will not be limited by the amount of any insurance required to be obtained or maintained under this Contract.

9. Contractor's obligations to defend and indemnify as described in this Article will survive the expiration or earlier termination of this Contract until it is determined by final judgment that any suit, claim or other action against the Owner, its members, officers, agents, employees, and volunteers is fully and finally barred by the applicable statute of limitations or repose.

10. Nothing in this Article will be construed as a waiver of any immunity from or limitation of liability the Owner, or its members, officers, agents, employees, and volunteers may have under the doctrine of sovereign immunity under common law or statute.

11. The Owner and its members, officers, agents, employees, and volunteers reserve the right, at their option, to participate in the defense of any suit, without relieving Contractor of any of its obligations under this Article.

12. If Paragraphs 6-12 or any part(s) of Paragraphs 6-12 are deemed to conflict in any way with any law, the Paragraph(s) or part of the Paragraph will be considered modified by such law to remedy the conflict.

13. THIRD PARTY BENEFICIARY CLAUSE. It is specifically agreed between the parties executing the Contract that it is not intended by any of the provisions of any part of the Contract to create in the public or any member thereof any rights as a third party beneficiary or to authorize anyone not a party to the Contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of the Contract.

14. This Contract will be terminated in accordance with Florida Statute Section 287.135(3) if it is found that Contractor submitted a false Scrutinized Company Certification as provided in Florida Statute Section 287.135(5), or has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List created pursuant to Florida Statute Section 215.473.

15. CHAPTER 119, FLA. STATUTE REQUIREMENTS

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

(813) 870-8721, ADMCENTRALRECORDS@TAMPAAIRPORT.COM, HILLSBOROUGH COUNTY AVIATION AUTHORITY, P.O. BOX 22287, TAMPA FL 33622.

Contractor agrees in accordance with Florida Statute Section 119.0701 to comply with public records laws including the following:

- a. Keep and maintain public records required by the Owner in order to perform the Work contemplated by this Contract.
- b. Upon request from the Owner's custodian of public records, provide the Owner with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Fla. Stat. or as otherwise provided by law.
- c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Contract Term and following completion of the Contract.
- d. Upon completion of this Contract, keep and maintain public records required by the Owner to perform the Work. Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the Owner, upon request from the Owner's custodian of public records, in a format that is compatible with the information technology systems of the Owner.

16. Press releases or other specialized publicity documents, including the Contractor's advertising news bulletins, which are related to this Contract and are intended by the Contractor for the press, broadcasting, or television, will be drawn up in consultation with the Owner. Except as otherwise required by law or regulation, the Contractor will not release or distribute any materials or information relating to this Contract or containing the name of the Owner or any of its employees or Board Members without prior written approval by an authorized representative of the Owner. Contractor shall require all consultants, subcontractors and suppliers of any tier to comply with this paragraph.

17. Prohibited Interest

The Contractor represents that, in connection with this Contract or any property included or planned to be included in this Contract, it has not entered into a contract or arrangement with any officer, director or employee of the Owner, or any business entity of which the officer, director or employee of the officer's, director's or employee's spouse or child is an officer, partner, director, or proprietor or in which such officer, director or employee or the officer's, director's or employee's spouse or child, or any combination of them, has a material interest.

"Material Interest" means direct or indirect ownership of more than 5 percent of the total assets or capital stock of any business entity.

The Contractor represents that, in connection with this Contract or any property included or planned to be included in this Contract, it has not entered into a contract or arrangement with any person or entity who at any time during the immediately preceding two years was an officer, director or employee of the Owner.

The provisions of this subsection shall not be applicable to any agreement between the Owner and its fiscal depositories, any agreements for utility services the rates for which are fixed or controlled by the government, or any agreement between the Owner and an agency of state government.

The following provision is made a part of this Contract and will be inserted in each of the Contractor's subcontracts:

"No member, officer, or employee of the Hillsborough County Aviation Authority during their tenure or for two years thereafter will have any interest, direct or indirect, in this Contract or the proceeds thereof."

18. Nondiscrimination

A. Compliance with Nondiscrimination Requirements

During the performance of this Contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor") agrees as follows:

1. Compliance with Regulations: The Contractor (hereinafter includes subcontractors and consultants) will comply with the Title VI List of Pertinent Nondiscrimination Statutes and Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this Contract.
2. Nondiscrimination: The Contractor, with regard to the work performed by it during the Contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the Contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.
3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Contractor of the Contractor's obligations under this Contract and the Acts and the Regulations relative to Nondiscrimination on the grounds of race, color, or national origin.
4. Information and Reports: The Contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Owner or the Federal Aviation Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of Contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Contractor will so certify to the Owner or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance: In the event of Contractor's noncompliance with the Nondiscrimination provisions of this Contract, the Owner will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the Contractor under the Contract until the Contractor complies; and/or
- b. Cancelling, terminating, or suspending the contract, in whole or in part.

6. Incorporation of Provisions: The Contractor will include the provisions of paragraphs one through five in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The Contractor will take action with respect to any subcontract or procurement as the Owner or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Contractor becomes involved in or is threatened with litigation by a subcontractor or supplier because of such direction, the Contractor may request the Owner to enter into any litigation to protect the interests of the Owner. In addition, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

B. Title VI List of Pertinent Nondiscrimination Authorities During the performance of this Contract, the Contractor, for itself, its assignees, and successors in interest agrees to comply with the following nondiscrimination statutes and authorities; including but not limited to:

1. Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
2. 49 CFR part 21 (Non-discrimination In Federally-Assisted Programs of The Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
3. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
4. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27;
5. The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
6. Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
7. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
8. Titles II and III of the Americans with Disabilities Act of 1990, which prohibit

discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;

9. The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

10. Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;

11. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, Contractor must take reasonable steps to ensure that LEP persons have meaningful access to Contractor's programs (70 Fed. Reg. at 74087 to 74100); and

12. Title IX of the Education Amendments of 1972, as amended, which prohibits Contractor from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

C. Duration: Contractor must comply with this section during the period during which Federal financial assistance is extended to Owner, except where the Federal financial assistance is to provide, or is in the form of, personal property, or real property, or interest therein, or structures or improvements thereon, in which case this provision obligates the Contractor for the longer of the following periods:

1. So long as the airport is used as an airport, or for another purpose involving the provision of similar services or benefits; or
2. So long as the Owner retains ownership or possession of the property.

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IN WITNESS WHEREOF, the parties hereto have set their hands and corporate seals by their proper officers, duly authorized to do so;

By the Contractor this _____ day of _____, 201__.

ATTEST:

JOHNSON CONTROLS, INC.

By: _____

Title: _____

Print Name

Print Address

Signed, sealed, and delivered
in the presence of:

Witness

Print Name

Witness

Print Name

Notary for Johnson Controls, Inc.

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 201__
by _____ in the capacity of _____, of

_____ a _____

(Name of organization or company, if any) (Corporation / Partnership / Sole Proprietor / Other)

on _____ behalf.

(Its / His / Her) (They are / He is / She is) (Personally known to me / not personally known to me)

_____ and _____ take an oath.

and has produced the following document of identification) (they / he / she) (did / did not)

(Seal of Notary)

Signature of Notary

By the Authority this _____ day of _____, 201__.

HILLSBOROUGH COUNTY AVIATION AUTHORITY

(Affix Corporate Seal)

By: _____
Robert I. Watkins, Chairman

ATTEST:

Victor D. Crist, Secretary

Signed, sealed, and delivered
in the presence of:


Witness

Print Name

Witness

Print Name

**LEGAL FORM APPROVED AS TO FORM FOR
LEGAL SUFFICIENCY:**

By: 

Michael T. Kamprath, Assistant General Counsel

Notary for Hillsborough County Aviation Authority

**STATE OF FLORIDA
COUNTY OF HILLSBOROUGH**

The foregoing instrument was acknowledged before me this ____ day of _____, 201__,
by Robert I. Watkins, in the capacity of Chairman, and by Victor D. Crist, in the capacity of Secretary,
Hillsborough County Aviation Authority, a public body corporate under the laws of the State of Florida,
on its behalf. They are personally known to me and they did not take an oath.

Signature of Notary

Print, Type, or Stamp Commissioned Name of
Notary

END OF SECTION



DELEGATION OF AUTHORITY CERTIFICATE

The undersigned, Vice President and President, Building Solutions, North America, pursuant to the authority vested in him by: (i) a Sub-Delegation of Authority from **Johnson Controls, Inc.**, a Wisconsin corporation ("Johnson Controls"), dated June 6, 2017, (ii) an Incumbency Certificate and Delegation of Authority from the general partner of **SimplexGrinnell LP**, a Delaware limited partnership ("SimplexGrinnell"), dated June 8, 2017, and (iii) a Written Consent in Lieu of Special Meeting of the Management Board from **Tyco Integrated Security LLC**, a Delaware limited liability company ("TIS"), dated June 8, 2017, hereby authorizes:

Stephen P. Telo
Area Service Manager

(the "Delegate") to perform, on behalf of each of Johnson Controls, SimplexGrinnell and TIS, the acts described below:

To execute and deliver any and all contracts for the performance of work, sale of goods, and furnishing of services, and any other instruments in connection therewith and in the ordinary course of business and in accordance with the current Global Approval Authority Matrix.

This authority does not extend to:

- a. further sub-delegation of the above acts absent necessary approvals in writing;
- b. the execution of surety, performance or bid bonds;
- c. the signing of any notes, contracts, or any other agreement to borrow money in the name of Johnson Controls, SimplexGrinnell, or TIS, or any form of guaranty for the payment or performance of obligations of any subsidiary, affiliate, or joint venture of Johnson Controls, SimplexGrinnell, or TIS; or
- d. the signing, on behalf of Johnson Controls, SimplexGrinnell, or TIS, of any deeds, abstracts, offers to purchase or any other instruments pertaining to the purchase or sale of real property.

Any actions taken by such Delegate within the scope of acts authorized herein taken between the date of expiration of any prior delegation of authority and the date hereof are hereby ratified, confirmed and approved as the acts and deeds of Johnson Controls, SimplexGrinnell, or TIS.

This authority shall remain in full force and effect through June 14, 2018.

Signed at Milwaukee, Wisconsin, this 15th day of June, 2017.

Johnson Controls, Inc., SimplexGrinnell LP,
and Tyco Integrated Security LLC

Rodney N. Rushing
Vice President and President
Building Solutions, North America

ATTESTS:

Matthew R.A. Heiman, Assistant Secretary
Johnson Controls, Inc.

Robert C. Maxie, Secretary
SimplexGrinnell LP and Tyco Integrated Security LLC

SECTION 00650 - INSURANCE REQUIREMENTS

PART 1 - GENERAL CONDITIONS

1.01 INSURANCE COVERAGE AND LIMITS

A. Contractor must maintain the following limits and coverages uninterrupted or amended through the term of this Contract. In the event the Contractor becomes in default of the following requirements, the Owner reserves the right to take whatever actions deemed necessary to protect its interests. Required liability and property insurance policies, other than Workers' Compensation/Employer's Liability and Professional Liability, will provide that the Hillsborough County Aviation Authority (HCAA), members of the HCAA governing body, and the HCAA officers, volunteers, and employees are included as additional insureds.

1. Workers' Compensation/Employer's Liability:

The minimum limits of insurance (inclusive of any amounts provided by an umbrella or excess policy) will be:

Part One:	"Statutory"
Part Two:	
Each Accident	\$1,000,000
Disease - Policy Limit	\$1,000,000
Disease - Each Employee	\$1,000,000

2. Commercial General Liability:

The minimum limits of insurance (inclusive of any amounts provided by an umbrella or excess policy) covering the work performed pursuant to this Contract will be the amounts specified herein. Coverage will be provided for liability resulting out of, or in connection with, ongoing operations performed by, or on behalf of, Contractor under this Contract or the use or occupancy of Owner premises by, or on behalf of, Contractor in connection with this Contract. Completed operations coverage in the amount of \$1,000,000 will be maintained for a period of three (3) years from the date of termination of contract. Coverage shall be on a form no more restrictive than ISO form CG 00 01. Additional insurance coverage shall be provided on a form no more restrictive than ISO Form CG 20 10 10 01 and CG 20 37 10 01.

	Contract Specific
General Aggregate	\$1,000,000
Each Occurrence	\$1,000,000
Personal and Advertising Injury Each Occurrence	\$1,000,000
Products/Completed Operations Aggregate	\$1,000,000

3. Business Auto Liability:

Coverage will be provided for all owned, hired and non-owned vehicles.

Coverage shall be provided on a form no more restrictive than ISO Form CA 00 01. The minimum limits of insurance (inclusive of any amounts provided by an umbrella or excess policy) covering the work performed pursuant to this Contract will be:

Each Occurrence - Bodily Injury and
Property Damage Combined \$1,000,000

4. Builders Risk Coverage:

Builders Risk Coverage will be maintained by the Contractor and evidenced on the certificate during the life of the project. The required limits for this coverage will be the Contract sum amount or \$5,000,000 whichever is the lesser amount).

Limits of Coverage will be: \$(contract amount)
(amount to be inserted after bid is opened)

5. Environmental Impairment (Pollution) Liability:

N/A

CONTRACTUAL INSURANCE TERMS AND CONDITIONS - STANDARD PROCEDURE S250.06

This Section incorporates the Owner's Standard Procedure S250.66 and establishes the insurance terms and conditions associated with contractual insurance requirements. This Section is applicable to all Contractors with Authority contracts. Unless otherwise provided herein, any exceptions to the following conditions or changes to required coverages or coverage limits must have prior written approval from the Vice President of Facilities and Administration or designee.

INSURANCE COVERAGE:

A. Procurement of Coverage:

With respect to each of the required coverages, the Contractor will, at the Contractor's expense, procure, maintain and keep in force the amounts and types of insurance conforming to the minimum requirements set forth in the Contract. Coverages will be provided by insurance companies eligible to do business in the State of Florida and having an AM Best rating of A- or better and a financial size category of VII or better. Utilization of non-rated companies or companies with AM Best ratings lower than A- or a financial size category lower than VII may be approved on a case by case basis by Risk Management.

B. Term of Coverage:

Except as otherwise specified in the contract, the insurance will commence on or prior to the effective date of the Contract and will be maintained in force throughout the duration of the Contract. Completed operations coverage may be required to be maintained on specific commercial general liability policies effective on the date of substantial completion or the termination of the Contract, whichever is earlier. If a policy is written on a claims made form,

the retroactive date must be shown and this date must be before the earlier of the date of the execution of the Contract or the beginning of contract work, and the coverage must respond to all claims reported within three years following the period for which coverage is required unless stated otherwise in the Contract.

C. Reduction of Aggregate Limits:

If the aggregate limit is exhausted, the Contractor will immediately take all possible steps to have it reinstated. The general liability policies shall include a per policy endorsement providing that the limits of such insurance specified in the Contract shall apply solely to the work under the Contract without erosion of such limits by other claims or occurrences.

1. Cancellation Notice

Each of the insurance policies will be specifically endorsed to require the insurer to provide the Owner with 30 days written notice (or 10 days for non-payment of premium) prior to the cancellation of the policy. The endorsement will specify that such notice will be sent to:

Hillsborough County Aviation Authority
Attn.: Chief Executive Officer
Tampa International Airport
Post Office Box 22287
Tampa, Florida 33622

D. No waiver by approval/disapproval:

The Owner accepts no responsibility for determining whether the Contractor's insurance is in full compliance with the insurance required by the Contract. Neither the approval by the Owner nor the failure to disapprove the insurance furnished by the Contractor will relieve the Contractor of their full responsibility to provide the insurance required by the Contract.

E. Future Modifications – Changes in Circumstances:

1. Changes in Coverages and Required Limits of Insurance

The coverages and minimum limits of insurance required by the Contract are based on circumstances in effect at the inception of the Contract. If, in the opinion of the Owner, circumstances merit a change in such coverages or minimum limits of insurance required by the Contractor, the Owner may change the coverages and minimum limits of insurance required, and the Contractor will, within 60 days of receipt of written notice of a change in the coverages and minimum limits required, comply with such change and provide evidence of such compliance in the manner required by the Contract. Provided, however, that no change in the coverages or minimum limits of insurance required will be made until at least two years after inception of the Contract. Subsequent changes in the coverages or minimum limits of insurance will not be made until at least two years after any prior change unless extreme conditions warrant such change and are agreeable to both parties.

If, in the opinion of the Owner, compliance with the insurance requirements is not commercially practicable for the Contractor, at the written request of the Contractor,

the Owner may, at its sole discretion and subject to any conditions it deems appropriate, relax or temporarily suspend, in whole or in part, the insurance requirements which would otherwise apply to the Contractor. Any such modification will be subject to the prior written approval of the Vice President of Facilities and Administration or designee, and subject to the conditions of such approval.

F. Proof of Insurance – Insurance Certificate:

1. Prior to Work, Use or Occupancy of Owner's Premises

The Contractor will not commence work, use or occupy Owner's premises in connection with the Contract until the required insurance is in force, preliminary evidence of insurance acceptable to the Owner has been provided to the Owner, and the Owner has granted permission to the Contractor to commence work, use or occupy the premises in connection with the Contract.

2. Proof of Insurance Coverage

As preliminary evidence of compliance with the insurance required by the Contract, the Contractor will furnish the Owner with a certificate(s) of insurance satisfactory to the Owner. This certificate must be signed by an authorized representative of the insurer. If requested by the Owner, the Contractor will, within 15 days after receipt of written request from the Owner, provide the Owner, or make available for review, certificates of insurance, copies of required endorsements and/or a certified complete copy of the policies of insurance. The Contractor may redact those portions of the insurance policies that are not relevant to the coverage required by the Contract. The Contractor will provide the Owner with renewal or replacement evidence of insurance, acceptable to the Owner, prior to expiration or termination of such insurance.

The insurance certificate must:

- a. Indicate that, to the extent required by the Contract:
 - i. the Owner, members of the Owner's governing body, and the Owner's officers, volunteers and employees are included as Additional Insureds on all policies other than workers compensation and professional liability, and
 - ii. the insurers for all policies have waived their subrogation rights against the Owner;
- b. Indicate that the certificate has been issued in connection with the Contract;
- c. Indicate the amount of any deductible or self-insured retention applicable to all coverages;
- d. Identify the name and address of the certificate holder as:

Hillsborough County Aviation Authority
Attn.: Chief Executive Officer
Tampa International Airport

Post Office Box 22287
Tampa, Florida 33622
and;

- e. Be signed and dated using approved methods by an individual who is an authorized representative of each insurer, whose insurance is the subject of the certificate and who is authorized by each such insurer to issue the certificate of insurance as modified. Facsimile signatures are acceptable.

G. Deductibles / Self Insurance:

1. All property and builders risk deductibles, as well as all self-insured retentions or any schemes other than a fully insured program, must be approved by the Vice President of Facilities and Administration or designee. The Contractor agrees to provide all documentation necessary for the Owner to review the deductible or alternative program.
2. The Contractor will pay on behalf of the Owner, or any member of the Owner's governing body or any officer or employee of the Owner, any deductible or self-insured retention (SIR) which, with respect to the required insurance, is applicable to any claim by or against the Owner, or any member of the Owner's governing body, or any officer or employee of the Owner.
3. The Agreement by the Owner to allow the use of a deductible or self-insurance program will be subject to periodic review by the Risk Manager. If, at any time, the Owner deems that the continued use of a deductible or self-insurance program by the Contractor should not be permitted, the Owner may, upon 60 days written notice to the Contractor, require the Contractor to replace or modify the deductible or self-insurance in a manner satisfactory to the Owner.
4. Any deductible amount or SIR program will be included and clearly described on the certificate prior to any approval by the Owner. This is to include fully insured programs as to a zero deductible per the policy. Owner reserves the right to deny any certificate not in compliance with this requirement.

H. Contractor's Insurance Primary:

The Contractor's required insurance will apply on a primary basis. Any insurance maintained by the Owner will be excess and will not contribute to the insurance provided by or on behalf of the Contractor.

I. Applicable Law:

With respect to any contract entered into by the Owner with a value exceeding \$10,000,000, if any required policy is: (i) issued to a policyholder outside of Florida or (ii) contains a "choice of law" or similar provision stating that the law of any state other than Florida shall govern disputes concerning the policy, then such policy must be endorsed so that Florida law (including but not limited to Part II of Chapter 627 of the Florida Statutes) will govern any and all disputes concerning the policy in connection with claims arising out of work performed pursuant to the Contract.

J. Waiver of Subrogation:

The Contractor, for itself and on behalf of its insurers, to the fullest extent permitted by law without voiding the insurance required by the Contract, waives all rights against the Owner, members of the Owner's governing body and the Owner's officers, volunteers and employees, for damages or loss to the extent covered and paid for by any insurance maintained by the Contractor.

K. Contractor's Failure to Comply with Insurance Requirements:

1. Owner's Right to Procure Replacement Insurance

If, after the inception of the Contract, the Contractor fails to fully comply with the insurance requirements of the Contract, in addition to and not in lieu of any other remedy available to the Owner provided by the Contractor, insurance which provides, in whole or in part, the required insurance coverage.

2. Replacement Coverage at Sole Expense of Contractor

The entire cost of any insurance procured by the Owner will be paid by the Contractor. At the option of the Owner, the Contractor will either directly pay the entire cost of the insurance or immediately reimburse the Owner for any costs incurred by the Owner including premium and a 15% administration cost.

a. Contractor to Remain Fully Liable

Except to the extent any insurance procured by the Owner actually provides the insurance coverage required by the Contract, the Contractor will remain fully liable for full compliance with the insurance requirements in the Contract.

b. Owner's Right to Terminate, Modify, or Not Procure

Any insurance procured by the Owner is solely for the Owner's benefit and is not intended to replace or supplement any insurance coverage which otherwise would have been maintained by the Contractor. Authority is not obligated to procure any insurance pursuant to these requirements and retains the right, at its sole discretion, to terminate any such insurance which might be procured by the Owner.

END OF SECTION

SECTION 00700 – GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION

PART 1 – GENERAL CONDITIONS

1.01 BASIC DEFINITIONS

A. THE CONTRACT DOCUMENTS

The Contract Documents consist of:

1. The Project Manual containing the Bidding Documents, Bonds, Affidavits, Compliance Forms, Statements, Insurance Requirements and Documents, the Contract between Owner and Contractor (herein referred to as the Contract), Conditions of the Contract (General Conditions), General Requirements and other Requirements, Reports, and Specifications.
2. The Drawings are the graphic and pictorial portions of the Contract Documents, wherever located and whenever issued, to the extent approved by Owner, showing the design, location and dimensions of the Work, and generally include plans, elevations, sections, details, models, electronic data, Building Information Modeling (BIM) schedules and diagrams.
3. All Addenda issued prior to, and all Modifications issued after, execution of the Contract.
4. A Modification is a written amendment to the Contract signed by both parties, or a Change Order, work order or written order for a minor change in the Work issued by the Owner.

B. THE CONTRACT

1. The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. The parties will not be bound by or be liable for any statement, representation, promise, inducement or understanding of any kind or nature not set forth herein.
2. No changes, amendments or modifications of any of the terms or conditions of the Contract will be valid unless reduced to writing and signed by both parties. The Contract may be amended or modified only by a Modification. Except as provided in Paragraph 3.18, nothing contained in the Contract Documents will be construed to create any contractual relationship (1) between the Design Professional and the Contractor, (2) between the Owner or the Design Professional and a Subcontractor or Sub-Subcontractor, (3) between the Owner and the Design Professional, or (4) between any persons or entities other than the Owner and the Contractor. The Contract will be construed in accordance with the laws of the State of Florida. In any action initiated by one party against the other, venue will lie in Hillsborough County, Florida. The Design Professional will, however, be entitled to performance and enforcement or obligations under

the Contract intended to facilitate performance of the Design Professional's duties.

- a. The Contractor will not assign, transfer, convey or otherwise dispose of the Contract or its right, title or interest in it without previous consent of the Owner which consent will not be unreasonably withheld. Owner's consent to any assignment will not relieve the Contractor of any of its agreements, responsibilities, or obligations under this Contract, and the Contractor will be and remain as fully responsible and liable for the defaults, acts, and omissions of Contractor's assignees and Subcontractors arising in connection with the performance of this Contract.
- b. Subject to the limitations upon assignment and transfer herein contained, this Contract will be binding upon and inure to the benefit of the parties hereto, their respective successors and assigns.
- c. The term "Work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

C. THE PROJECT

The Project is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner or by separate contractors.

D. THE DRAWINGS

The Drawings are the graphic and pictorial portions of the Contract Documents, wherever located and whenever issued, showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules and diagrams.

E. THE SPECIFICATIONS

The Specifications are that portion of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the Work, and performance of related services.

F. THE PROJECT MANUAL

The Project Manual is the volume(s) usually assembled for the Work which may include the bidding requirements, sample forms, Conditions of the Contract and Specifications.

1.02 EXECUTION, CORRELATION AND INTENT

- A. The Contract Documents must be signed in not less than duplicate by the Owner and Contractor as provided in the Contract Documents.
- B. Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become familiar with local conditions under which the Work is to be

performed and correlated personal observations with requirements of the Contract Documents.

- C. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary and what is required by one will be as binding as if required by all. Performance by the Contractor will be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results.
- D. Organization of the Specifications into divisions, sections and Parts, and arrangement of Drawings, will not control the Contractor in dividing the Work among subcontractors or in establishing the extent of Work to be performed by any trade.
 - 1. The Contractor and all Subcontractors will refer to all of the Drawings, including those showing primarily the Work of the mechanical, electrical and other specialized trades, and to all of the Sections of the Specifications, and will perform all Work reasonably inferable therefrom as being necessary to produce the indicated results.
- E. Unless otherwise stated in the Contract Documents, words which have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.
- F. If Work is required by the Drawings and Specifications in a manner which makes it impossible to produce first class Work, or should discrepancies appear among the Contract Documents, the Contractor will request an interpretation before proceeding with the Work. If the Contractor fails to make such a request, no excuse will thereafter be entertained for failure to carry out the Work in a satisfactory manner. Should conflict occur in or between the Drawings and Specifications, the Contractor is deemed to have estimated the more expensive way of doing the Work unless Contractor will have asked for and obtained a written decision before submission of Contractor's Bid as to which method or materials will be required.
- G. All Work mentioned or indicated in the Contract Documents will be performed by the Contractor as part of this Contract unless it is specifically indicated in the Contract Documents that such construction is not in the Contract. In the event of any conflict(s) among the Contract Documents, the precedence in resolving such conflict(s) will be as follows:
 - 1. General Requirements will govern over General Conditions.
 - 2. General Conditions will govern over Technical Specifications.
 - 3. Technical Specifications will govern over Drawings.
 - 4. Schedules will govern over Drawings.
 - 5. Large-scale Drawings will govern over smaller scale Drawings.
 - 6. Greater quantities will govern over lesser.
 - 7. Higher quality, as adjudged by the Owner, will govern over lesser.

(The above precedence are in numerical order and they will be construed to mean the order of precedence.)

- H. All indications or notations which apply to one of a number of similar situations, materials or processes will be deemed to apply to all such situations, materials or processes wherever they appear in the Work, except where a contrary result is clearly indicated by the Contract Documents.
- I. Where codes, standards, requirements and publications of public and private bodies are referred to in the Specifications, references will be understood to be the latest edition, including all amendments thereto, in effect on the date of receiving bids, except where otherwise indicated.
- J. Where no explicit quality or standards for materials or workmanship are established for Work, such Work is to be of good quality for the intended use and consistent with the quality of the surrounding Work and of the construction of the Project generally.
- K. All manufactured articles, materials, and equipment will be applied, installed, connected, erected, started up, tested, cleaned, and conditioned in accordance with the manufacturer's written or printed directions and instructions unless otherwise indicated in the Contract Documents.
- L. The Mechanical, Electrical and Fire Protection Drawings are diagrammatic only and are not intended to show the alignment, exact physical locations or configurations of such Work. Such Work will be installed, without additional cost to the Owner, to clear all obstructions, permit proper clearances for the Work of other trades, and present an orderly appearance where exposed. Prior to beginning such Work, the Contractor will prepare coordination drawings and complete detailed layout drawings showing the exact alignment, physical location and configuration of the mechanical, electrical and fire protection installations and demonstrating to the Owner's satisfaction that the installations will comply with the preceding sentence. Coordination drawings and complete detailed layout drawings will be submitted to the for Owner's review prior to the commencement of the Work.
- M. Exact locations of fixtures and outlets will be obtained from the Owner as provided in Subparagraph 3.02 E. before the Work is roughed in. Work installed without such information from the Owner will be relocated at the Contractor's expense.
- N. Test boring or soil test information included with the Contract Documents or otherwise made available to the Contractor was obtained by the Owner in the design of the Project or Work. The Owner does not warrant such information to the Contractor as an accurate (an exact) indication but is an approximate indication of subsurface conditions, and no claim for extra cost or extension of time resulting from reliance by the Contractor on such information will be allowed.
- O. Where the Work is to fit with existing conditions or construction not included in this Contract, the Contractor will fully and completely join the Work with such conditions or construction, unless otherwise specified.

1.03 OWNERSHIP AND USE OF DESIGN PROFESSIONAL'S DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS

All Drawings, Specifications and other documents furnished by the Design Professional or Owner are and will remain the property of the Owner. The Drawings, Specifications and other documents prepared by the Design Professional or Owner are instruments of the Design Professional's or Owner's service through which the work to be executed by the Contractor is described. The Contractor may retain one contract record set. Neither the Contractor nor any Subcontractor, Sub-Subcontractor or material or equipment supplier will own or claim a copyright in the Drawings, Specifications and other documents prepared by the Design Professional or Owner, and unless otherwise indicated, the Design Professional or Owner will be deemed the author of them and will retain all common law, statutory, copyright and other reserved rights. All copies of them, except the Contractor's record set, will be returned or suitably accounted for to the Design Professional or Owner, on request, upon completion of the Work. The Drawings, Specifications and other documents prepared by the Design Professional or Owner, and copies thereof furnished to the Contractor, are for use solely with respect to this Project. They are not to be used by the Contractor or any Subcontractor, Sub-Subcontractor or material or equipment supplier on other projects or for additions to this Project outside the scope of the work without the specific written consent of the Owner. The Contractor, Subcontractors, Sub-Subcontractors and material or equipment suppliers are granted a limited license to use and reproduce applicable portions of the Drawings, Specifications and other documents prepared by the Design Professional or owner appropriate to and for use in the execution of their work under the Contract Documents. All copies made under this license will bear the statutory copyright notice, if any, shown on the Drawings, Specifications and other documents prepared by the Design Professional or Owner. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with this Project is not to be construed as publication in derogation of the Design Professional's or Owner's copyright or other reserved rights.

1.04 CAPITALIZATION

Terms capitalized in these general conditions include those which are (1) specifically defined, (2) the titles of numbered Parts and identified references to paragraphs, subparagraphs and clauses in the document or (3) the titles of other documents published.

1.05 INTERPRETATION

In the interest of brevity the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

PART 2 – OWNER

2.01 DEFINITION

The Owner is the Hillsborough County Aviation Authority (Authority) and is referred to throughout the Contract Documents as if singular in number. The term "Owner" means Authority or the Owner's authorized representative.

2.02 INFORMATION AND SERVICES REQUIRED OF THE OWNER

- A. The Owner will make available Record Documents and Drawings pertaining to the existing buildings and/or facilities relative to this Project. The Owner does not warrant the accuracy and completeness of such Record Documents and Drawings and they are not a part of the Contract Documents.

- B. Information or services required of the Owner will be furnished by the Owner with reasonable promptness after receipt from the Contractor of a written request for such information or services.
- C. The Contractor will be furnished free of charge, one copy of the Drawings and conformed Project Manuals. Additional sets can be made from the CD provided with the conformed set.
- D. The foregoing are in addition to other duties and responsibilities of the Owner enumerated in Section 00700 –GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION.

2.03 OWNER’S RIGHT TO STOP THE WORK

If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents as required by Paragraph 11.02 or persistently fails to carry out Work in accordance with the Contract Documents, the Owner, the Design Professional, or other authorized representatives, by written order signed personally, may order the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work will not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Subparagraph 6.01 C.

2.04 OWNER’S RIGHT TO CARRY OUT THE WORK

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a seven day period after receipt of written Notice from the Owner to begin and prosecute correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such deficiencies. In such case an appropriate change order will be issued deducting from payments then or thereafter due the Contractor the cost of correcting such deficiencies, including compensation for the Design Professional’s or Owner’s additional services and expenses made necessary by such default, neglect or failure. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, the Contractor will pay the difference to the Owner.

2.05 PERSONAL LIABILITY OF PUBLIC OFFICIALS

In carrying out any of the Contract provisions or in exercising any power or authority granted to it by this Contract, there will be no liability upon the Design Professional or Owner, its authorized representatives, or any officials of the Owner either personally or as an official of the Owner. It is understood that in such matters they act solely as agents and representatives of the Owner. Contractor agrees to waive any personal claims it may have against Design Professional, its authorized representative or any officials of the Owner including its Board members, officers, employees, agents and volunteers.

PART 3 – CONTRACTOR

3.01 DEFINITION

The Contractor is the person or entity identified as such in the Contract and is referred to throughout the Contract Documents as if singular in number. The term “Contractor” means the Contractor or the Contractor’s authorized representative.

3.02 REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

- A. Prior to starting the Work, and at frequent intervals during the process thereof, the Contractor will carefully study and compare the Contract Documents with each other and with the information furnished by the Owner pursuant to Paragraph 2.02 B and will at once report to the Owner, any error, inconsistency or omission the Contractor may discover. Any necessary change will be ordered as provided in Part 7, CHANGES IN THE WORK, subject to the requirements of Paragraph 1.02 and other provisions of the Contract Documents.
 - 1. If the Contractor proceeds with the Work without such notice to the Owner, having discovered such errors, inconsistencies or omissions, or if by reasonable study of the Contract Documents, the Contractor could have discovered such, the Contractor will bear all costs arising therefrom.
- B. The Contractor will take field measurements and verify field conditions and will carefully compare such field measurements and conditions and other information known to the Contractor with the Contract Documents before commencing activities. Errors, inconsistencies or omissions discovered will be reported to the Owner at once.
- C. The Contractor will perform the work in accordance with the Contract Documents and submittals approved pursuant to Paragraph 3.12.
- D. The Contractor will give the Owner timely notice of all additional Drawings, Specifications, or instructions required to define the Work in greater detail, or to permit the progress of the Work.
- E. The Contractor will not proceed with any Work not clearly and consistently defined in detail in the Contract Documents, but will request additional Drawings or instructions from the Owner as provided in Subparagraph 3.02 D. If the Contractor proceeds with such Work without obtaining further Drawings, Specifications or instructions, the Contractor will correct Work incorrectly done at the Contractor's own expense.

3.03 SUPERVISION AND CONSTRUCTION PROCEDURES

- A. The Contractor will supervise and direct the Work, using the Contractor's best skill and attention. The Contractor will be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Contract.
- B. The Contractor will be responsible to the Owner for the acts and omissions of all entities or persons performing or supplying the Work under the Contract.
- C. The Contractor will not be relieved of obligations for performing the Work in accordance with the Contract Documents either by activities or duties of the Owner in the administration of the Contract, or by tests, inspections or approvals required or performed by persons other than the Contractor.
- D. The Contractor will be responsible for inspection of portions of Work already performed under the Contract to determine that such portions are in proper condition to receive subsequent work.
- E. All Work by the Contractor will be performed in a workmanlike manner, satisfactory to the Owner. The Contractor will provide adequate supervision and inspections to assure competent performance of the Work.

3.04 LABOR AND MATERIALS

- A. Unless otherwise provided in the Contract Documents, the Contractor will provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work. The word “provide” will mean furnish and install complete, including connections, unless otherwise specified.
- B. The Contractor will enforce strict discipline and good order among the Contractor’s employees and other persons carrying out the Contract. The Contractor will not permit employment of unfit persons or persons not skilled in tasks assigned to them.

3.05 WARRANTY

- A. The warranty provided in this Paragraph 3.05 will be in addition to and not in limitation of any other warranty provided by the Contract Documents or otherwise prescribed by Law.
- B. All defective Work or Work found not to be in compliance with the requirements of the Contract, or applicable law, building codes, rules or regulations, appearing within one year of the date of Substantial Completion of the whole Work will be promptly corrected by the Contractor at the Contractor’s own cost.
- C. The Contractor warrants that the materials and equipment furnished under the Contract will be new and of recent manufacture unless otherwise specified, and that all work will be of good quality, free from faults and defects, and in conformance with the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective.
- D. The Contractor will be responsible for determining that all materials furnished for the Work meet all requirements of the Contract Documents. The Owner may require the Contractor to produce reasonable evidence that a material meets such requirements, such as certified reports of past tests by qualified testing laboratories, report of studies by qualified experts, or other evidence which in the opinion of the Owner would lead to a reasonable certainty that any material used, or proposed to be used, in the Work meets the requirements of the Contract Documents.
 - 1. All such data will be furnished at the Contractor’s expense. This provision will not require the Contractor to pay for periodic testing of different batches of the same material, unless such testing is specifically required by the Contract Documents to be performed at the Contractor’s expense.
- E. In all cases in which a manufacturer’s name, trade name or other proprietary designation is used in connection with materials or articles to be furnished under this Contract, whether or not the phrase “or equal” is used after such name, the Contractor will furnish the product of the named manufacturer(s) without substitution, unless a written request for a substitution has been submitted by the Contractor and approved by the Design Professional as provided in Subparagraph 3.05 D. Refer to Section 01605 – PRODUCTS AND SUBSTITUTIONS for additional requirements.
- F. If the Contractor proposes to use a material which, while suitable for the intended use, deviates in any way from the detailed requirements of the Contract Documents, the

Contractor will inform the Owner in writing of the nature of such deviation at the time the material is submitted for approval and will request written approval of the deviation from the requirements of the Contract Documents.

- G. In requesting approval of deviations or substitutions, the Contractor will provide, upon request, evidence leading to a reasonable certainty that the proposed substitution or deviation will provide a quality or result at least equal to that otherwise attainable. If, in the opinion of the Owner, the evidence presented by the Contractor does not provide a sufficient basis for such reasonable certainty, the Owner may eject such substitution or deviation without further investigation.
- H. The Contract Documents are intended to produce a structure of consistent character and quality of design. All components of the structure including visible items of mechanical and electrical equipment have been selected to have a coordinated design in relation to the overall appearance and function of the Project. The Design Professional or Owner will judge the design and appearance of proposed substitutes on the basis of their suitability in relation to the overall design of the Project, as well as for their intrinsic merits. The Design Professional or Owner will not approve as equal to the materials specified, proposed substitutes which, in the Design Professional's or Owner's opinion, would be out of character, obtrusive, or otherwise inconsistent with the character or quality of design of the Project. In order to permit coordinated design of color and finishes, the Contractor will, if required by the Design Professional or Owner, furnish the substituted material in any color, finish, texture, or pattern which would have been available from the manufacturer originally specified, at no additional cost to the Owner.
- I. Any additional cost, or any loss or damage arising from the substitution of any material or any method from those originally specified, will be borne by the Contractor, notwithstanding approval or acceptance of such substitution by the Owner or the Design Professional, unless such substitution was made at the written request or direction of the Owner or the Design Professional.
- J. The Contractor will procure and deliver to the Owner, prior to Final Payment, all special warranties required by the Contract Documents. Delivery by the Contractor will constitute the Contractor's guarantee to the Owner that the warranty will be performed in accordance with its terms and conditions. Refer to Sections 01700 – PROJECT CLOSEOUT and 01740 – WARRANTIES for additional requirements.
- K. The warranties set out herein are not in lieu of any other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose. The warranties set out herein are not in lieu of any other contractual, legal or equitable remedies available to the Owner. If the Contractor fails to correct any defective Work or Work found not to be in compliance with the requirements of the Contract Documents, or applicable laws, building codes, rules or regulations, within a reasonable time after receipt of written notice from the Owner, the Owner may correct it in accordance with Owner's right to carry out the Work. If such case occurs prior to final payment, an appropriate Change Order shall be issued deducting the cost of correcting such deficiencies from payments then or thereafter due to the Contractor. If payments then or thereafter due Contractor are not sufficient, the Contractor shall pay the difference to the Owner. All claims, costs, losses, and damages arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work by others) will be paid by Contractor.

- L. If the Contractor's correction or removal of defective Work causes damage to or destroys other completed or partially completed construction, the Contractor shall be responsible for the cost of correcting the destroyed or damaged construction.
- M. Nothing contained in Article 3.05 shall be construed to establish a period of limitations with respect to other obligations the Contractor has under this Contract. Establishment of the one-year period for correction of Work as described in this Article relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than to specifically correct the Work.
- N. If after the one year correction period, but before the applicable limitations period, the Owner discovers any defective Work or Work found not to be in compliance with the requirements of the Contract Documents, or applicable laws, building codes, rules or regulations, the Owner shall, unless the defective Work or Work found not to be in compliance with the requirements of the Contract Documents, or applicable laws, building codes, rules or regulations requires emergency correction, notify the Contractor. If the Contractor elects to correct the Work, it shall provide written notice of such intent within fourteen (14) days of its receipt of notice from the Owner. The Contractor shall complete the correction of Work within a mutually agreed time frame. If the Contractor does not elect to correct the Work, the Owner may correct the Work by itself or others and charge the Contractor for the reasonable costs of the correction. Owner shall provide Contractor an accounting of such correction costs incurred.
- O. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of the Work that is not in accordance with the Contract Documents or release the Contractor's obligation to perform the Work in accordance with the Contract Documents: (1) observations by the Owner or the Owner's agents; (2) recommendations for payment made to the Owner or payment by the Owner (whether progress or final); (3) issuance of Certificates of Substantial or Final Completion; (4) use or occupancy of the Work or any part thereof by the Owner; (5) any review and approval of a Shop Drawing or sample submittal; (6) any inspection, test or approval by others; or (7) any correction of defective Work by the Owner.

3.06 TAXES

- A. The Contractor will pay sales, consumer, use and similar taxes for the Work or portions thereof provided by the Contractor which are legally enacted when Bids are received or negotiations concluded, whether or not yet effective or merely scheduled to go into effect.
- B. Pursuant to Sales and Use Tax Law, Chapter 212, Florida Statutes, the Hillsborough County Aviation Authority is exempt from the payment of sales tax. The Hillsborough County Aviation Authority Certificate Number is 85-8013883484C-4. Unless otherwise indicated in the Contract Documents, all goods and services performed by Subcontractor (Sub-Subcontractors) or by suppliers are not exempt from State Sales Tax. All work performed by subcontractors for the Contractor and all supplies provided to the Subcontractor or Contractor are not exempt from State Sales Tax. All questions

regarding the State of Florida Sales and Use Tax Law should be referred to the State of Florida Department of Revenue, Tallahassee, Florida.

3.07 PERMITS, FEES AND NOTICES

- A. The Contractor will secure and pay for all necessary and required permits and licenses including, but not limited to, batch plant permit(s), building permit(s), and all other permits, as well as all other fees, charges, taxes, licenses and inspections necessary for proper execution of the Contract and which are legally required when Bids are received. The Contractor will secure and pay for all Certificates of Inspection and of Occupancy that may be required by authorities having jurisdiction over Work. No extension of time for completion will be granted. All appropriate sites, building and electrical permits, etc. shall be obtained and paid for by the Contractor. In addition, jurisdiction over this Work, and all required Certificates of Inspection and Occupancy, will be obtained from the appropriate jurisdiction as listed below:

Tampa International Airport (TPA)	Hillsborough County Board of County Commissioners (BOCC) and/or City of Tampa
Peter O. Knight Airport (POK)	City of Tampa
Plant City Airport (PCA)	City of Plant City
Tampa Executive Airport (TEA)	BOCC

- B. The Contractor will fully comply with all applicable federal, state, county, municipal or other governmental laws, executive orders, wage, hour and labor, equal employment opportunity, disadvantaged business enterprises, pollution control, and environmental regulations, applicable national and local codes, Owner Rules and Regulations, and the Contractor will obtain all necessary permits, pay all required fees and taxes, and otherwise perform these services in a legal manner. To the maximum extent permitted by law, the Contractor will indemnify and hold Owner harmless from any fees, damages, fines or costs of any kind arising out of Contractor's failure to comply with such governmental regulations. This obligation to indemnify and hold harmless will be construed separately and independently. It is the parties mutual intent that if this change is found to be in conflict of the law, the clause will be considered modified by such law to the extent necessary to remedy the conflict. The Contractor will give all notices necessary and incidental to the due and lawful prosecution of the Work so as not to delay the completion of the Work.
- C. If the Contractor observes that portions of the Contract Documents are at variance with applicable laws, statutes, ordinances, building codes, and rules and regulations, the Contractor will promptly notify the Owner in writing, and necessary changes will be accomplished by appropriate Modification.
- D. If the Contractor performs Work that it knew or should have known to be contrary to laws, statutes, ordinances, building codes, and rules and regulations without such notice to the Owner and Design Professional, the Contractor will assume full responsibility for such Work and will bear the attributable costs.
- E. The Contractor will keep fully informed of all Federal and State Laws, all local laws, ordinances, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the

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Work, or which in any way affect the conduct of the Work. To the maximum extent permitted by law, the Contractor will at all times observe and comply with all such laws, ordinances, regulations, orders and decrees.

3.08 ALLOWANCES

- A. The Contractor will include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances will be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor will not be required to employ persons or entities against which the Contractor makes reasonable objection.
- B. Unless otherwise provided in the Contract Documents:
 - 1. Allowances will cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;
 - 2. Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses contemplated for stated allowance amounts will be included in the allowances;
 - 3. Whenever costs are more than or less than allowances, the Contract Sum will be adjusted accordingly by Change Order. The amount of the Change Order will reflect (1) the difference between actual costs and the allowances under Subparagraph 3.08 B.1. and (2) changes in Contractor's costs under Subparagraph 3.08 B.2.

3.09 CONTRACTOR'S MANAGEMENT TEAM

- A. The Contractor will employ a competent, full-time Project Management Team (Team) reasonably acceptable to the Owner and the Design Professional, consisting of at least one Field Supervisor and necessary representatives who will be in attendance at the Project site full time during the progress of the Work until the date of Substantial Completion of the whole Work, or for such additional time thereafter as the Owner may determine to be necessary for the expeditious completion of the Work.
 - 1. The names and qualifications of this Team for this Work will be submitted as part of the Bidder's Qualification Form. They will have a minimum of five years of experience on similar projects of equal difficulty.
 - 2. The Owner will not recognize any subcontractor on the Work. The Contractor will at all times when Work is in progress be represented either in person by a qualified superintendent, or by other designated, qualified representative who is duly authorized to receive and execute orders of the Owner or the Design Professional.
 - 3. The Team will each have full authority to act on the Contractor's behalf. It is agreed and understood that, if requested in writing by the Owner or the Design Professional, the Contractor will replace any member of the Team with another individual meeting the required qualifications within three days of the receipt of the request if the Team member is found to be unsatisfactory to the Owner or the Design Professional for whatever reason. The Team will represent the Contractor and communications given to the Team will be as binding as if given to the Contractor. Important communications will be similarly confirmed on written request for each case. Should the Owner or the Design Professional find

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any person(s) employed on the Project to be incompetent, unfit, or otherwise objectionable for its duties, the Contractor will immediately cause the employee to be dismissed and said employee will not be re-employed on this Project without written consent of the Owner or the Design Professional.

3.10 CONTRACTOR'S CONSTRUCTION SCHEDULES

- A. The Contractor will submit preliminary and CPM (or bar chart) construction schedules in accordance with requirements under Section 01315 – SCHEDULES, PHASING. The schedule will not exceed time limits current under the Contract Documents. The schedule will be revised at appropriate intervals as required by the conditions of the Work and Project, will be related to the entire Project to the extent required by the Contract Documents, and will provide for expeditious and practicable execution of the Work.
- B. The Contractor will prepare and keep current, for the Design Professional's and Owner's approval, a schedule of submittals which is coordinated with the Contractor's construction schedule and allows the Design Professional and Owner reasonable time to review submittals.
- C. The Contractor's performance will conform to the most recent schedules.

3.11 DOCUMENTS AND SAMPLES AT THE SITE

The Contractor will maintain at the site for the Owner one as-built set of the Drawings, Specifications, addenda, Change Orders and other Modifications, in good order and marked currently to record changes and selections made during construction, as well as approved Shop Drawings, Product Data, Samples and similar required submittals. These will be available to the Owner and Design Professional and will be delivered to the Design Professional for submittal to the Owner upon completion of the work. As-Built drawings will be reviewed monthly as part of the pay application process.

3.12 SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

- A. Shop Drawings are drawings, diagrams, schedules, models and other data (including electronic data) specifically prepared for the work by the Contractor or a Subcontractor, Sub-Subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.
- B. Product data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.
- C. Samples are physical examples which illustrate materials, equipment or workmanship and established standards by which the Work will be judged.
- D. Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents. The purpose of their submittal is to demonstrate for those portions of the Work for which submittals are required the way the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents. Review by the Design Professional or Owner is subject to the limitations of Subparagraph 4.02 G.
- E. The Contractor will review, approve and submit to the Design Professional Shop Drawings, Product Data, Samples and similar submittals required by the Contract

Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of separate contractors. Submittals made by the Contractor which are not required by the Contract Documents may be returned without action.

- F. The Contractor will perform no portion of the Work requiring submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been approved by the Design Professional. Such work will be in accordance with approved submittals.
- G. By approving and submitting Shop Drawings, Product Data, Samples, and similar submittals, the Contractor thereby represents that the Contractor has determined and verified all dimensions, qualities, field dimensions, relations to existing work, coordination with work to be installed later, coordination with information on previously accepted Shop Drawings, Product Data, Samples, or similar submittals and verification of compliance with all the requirements of the Contract Documents. The accuracy of such information is the responsibility of the Contractor. In reviewing Shop Drawings, Product Data, Samples, and similar submittals, the Owner will be entitled to rely upon the Contractor's representation that such information is correct and accurate.
- H. The Contractor will not be relieved of responsibility for deviations from requirements of the Contract Documents by the Owner's approval of Shop Drawings, Product Data, Samples or similar submittals unless the Contractor has specifically informed the Owner in writing of such deviation at the time of submittal and the Owner has given written approval to the specific deviation. The Contractor will not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittals by the Owner's approval thereof.
- I. The Contractor will direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, to revisions other than those requested by the Design Professional or Owner on previous submittals. Unless such written notice has been given, the Design Professional's or Owner's approval of a resubmitted Shop Drawing, Product Data, Sample, or similar submittal will not constitute approval of any changes not requested on the prior submittal.
- J. Informational submittals upon which the Owner is not expected to take responsive action may be so identified in the Contract Documents.
- K. When professional certification of performance criteria of materials, systems or equipment is required by the Contract Documents, the Design Professional or Owner will be entitled to rely upon such certifications, and the Design Professional or Owner will not be required to make any independent examination with respect thereto.
- L. The Contractor will keep one clean copy of each submittal brochure and each Shop Drawing, bearing the Design Professional's or Owner's review stamp, at the Job Site.
- M. The Design Professional's or Owner's review is only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. The Contractor is responsible for dimensions to be confirmed and correlated at the Job Site, for information processes or techniques of construction, and for coordination of the Work of all trades.

- N. Burden-of-proof that products, materials, Shop Drawings, samples and submittals comply with the Contract Documents in every respect and that any substitutions, variations, deviations or modifications do exactly what is specified and will, in fact, work well in coordination and harmony and will serve the intended purpose will rest entirely with the Contractor. It will not be the Design Professional's or Owner's responsibility to have the burden-of-proof to prove the contrary.
- O. Submittals, requisitions, requests for interpretation, Shop Drawings and other items received by the Design Professional or Owner on Friday, Saturday, Sunday, on any normally recognized holiday, or on a day preceding such a holiday, will be considered received on the first working day (except Friday) which follows.
- P. Owner's date stamp of receipt will evidence date of receipt, modified per Paragraph 3.12 O. above. Date indicated on Owner's transmittal letter or transmittal form will be considered as date returned to Contractor.
- Q. Refer to Section 01340 – SHOP DRAWINGS, PRODUCT DATA AND SAMPLES for additional requirements.

3.13 USE OF SITE

- A. The right of possession of the premises and the improvements made thereon by the Contractor will remain at all times with the Owner. The Contractor's right to entry and use thereof arises solely from the permission granted by the Owner under the Contract Documents.
 - 1. The Contractor will confine the Contractor's apparatus, the storage of materials and the operations of the Contractor's personnel to limits indicated by law, ordinances, the Contract Documents and permits and/or directions of the Design Professional and will not unreasonably encumber the premises with the Contractor's materials. The Owner will not be liable to the Contractor, the Subcontractors, their employees or anyone else with respect to the conditions of the premises.
 - 2. Material will be arranged and maintained in an orderly manner with use of walks, drives, roads and entrances unencumbered. Store, place and handle material and equipment delivered to the Project Site so as to preclude inclusion of foreign substances or causing of discoloration. Pile neatly and compactly and barricade to protect public from injury. Protect material as required to prevent damage from weather or ground. Should it be necessary to move material at any time, or move sheds or storage platforms, the Contractor will move them as and when required at no additional cost to the Owner.
 - 3. The Owner assumes no responsibility for materials stored in buildings or on the Project site. The Contractor will assume full responsibility for damage due to storing of materials. Repairing of areas used for placing of sheds, offices and storage of materials will be performed by the Contractor.

3.14 CUTTING AND PATCHING

- A. The Contractor will be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly.

- B. The Contractor will not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. The Contractor will not cut or otherwise alter such construction by the Owner or a separate contractor except with written consent of the Owner and of such separate contractor; such consent will not be unreasonably withheld. The Contractor will not unreasonably withhold from the Owner or a separate contractor the Contractor's consent to cutting or otherwise altering the Work.
- C. Refer to Section 01045 – CUTTING AND PATCHING for additional requirements.

3.15 CLEAN UP

- A. The Contractor will keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work, the Contractor will remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials.
- B. If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the cost thereof will be charged to the Contractor.
- C. Daily Clean-Up: The Contractor will keep the premises free from accumulation of waste materials or rubbish caused by Contractor's operations on a daily basis. In areas used by the public or exposed to public view, the Contractor will keep these areas in such a state of cleanliness so as not to reflect unfavorably upon the "image" of the Owner or any airport authority concerned. In areas near airport operations, the Contractor will keep areas free from materials which could possibly be ingested into an aircraft engine or which could cause damage by being blown by aircraft engine blast effects.
- D. Refer to Sections 01110 – AIRPORT PROJECT PROCEDURES and 01700 – PROJECT CLOSEOUT for additional requirements.

3.16 ACCESS TO WORK

The Contractor will provide the Owner and Design Professional access to the Work in preparation and progress wherever located.

3.17 ROYALTIES AND PATENTS

The Contractor will pay all royalties and license fees. The Contractor will defend suits or claims for infringement of patent rights and will hold the Owner and Design Professional harmless from loss on account thereof, but will not be responsible for such defense or loss when a particular design, process or product of a particular manufacturer or manufacturers is required by the Contract Documents. However, if the Contractor has reason to believe that the required design, process or product is an infringement of a patent; the Contractor will be responsible for such loss unless such information is promptly furnished to the Owner.

3.19 RECORDS AND DOCUMENTS

The Contractor will maintain all records and documents relating to the Contract during the course of the Work and for a period of seven years after the date of Final Acceptance. This includes all books and other evidence (including but not limited to subcontracts, subcontract change orders, purchase orders, bid tabulations, proposals, and other documents associated with the Contract) bearing on the

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Contractor's costs and expenses under this Contract. The Contractor will make these records and documents available for inspection by the Owner at the Contractor's office at all reasonable times, without direct charge, and will provide electronic copies of all requested documents including but not limited to subcontracts, subcontractor change orders, purchase orders, bid tabulations, proposals, and all other documents associated with the project at no cost to the Owner. If approved by the Owner, photographs, microphotographs, or other authentic reproductions may be maintained instead of original records and documents. If the Contractor fails to make the records and documents available, the Owner may, after written notice to the Contractor, take such action as may be necessary including the withholding of any further payment. Furthermore, failure to make such records and documents available may be grounds for termination pursuant to Paragraph 13.01 or grounds for Owner to seek damages from Contractor.

PART 4 – ADMINISTRATION OF THE CONTRACT

4.01 Design Professional

- A. The Design Professional is referred to throughout the Contract Documents as if singular.
 - 1. Wherever the term "Design Professional" appears in the Contract Documents, it will mean the Design Professional on record for the project or Owner's other authorized representative(s).
 - 2. Wherever the term "Owner's authorized representative(s)" appears in the Contract Documents, it will include Owner, or Owner's other authorized representative(s).
- B. In case of termination of employment of the Design Professional, the Owner will appoint a Design Professional against whom the Contractor makes no reasonable objection and whose status under the Contract Documents will be that of the former Design Professional.

4.02 DESIGN PROFESSIONAL'S ADMINISTRATION OF THE CONTRACT

- A. The Design Professional will provide administration of the Contract as described in the Contract Documents, and will be the Owner's representative (1) during construction, (2) until final payment is due and (3) with the Owner's concurrence, from time to time during the correction period described in Paragraph 11.02. The Design Professional will advise and consult with the Owner. The Design Professional will have authority to act on behalf of the Owner.
- B. The Design Professional will visit the site at intervals appropriate to the stage of construction to become generally familiar with the progress and quality of the completed Work and to determine in general if the Work is being performed in a manner indicating that the Work, when completed, will be in accordance with the Contract Documents. However, the Design Professional will not be required to make exhaustive or continuous on-site inspections to check quality or quantity of the Work. On the basis of on-site observations, the Design Professional will keep the Owner informed of the progress of the Work and will endeavor to guard the Owner against defects and deficiencies in the Work.
- C. The Design Professional will not have control over or charge of, and will not be responsible for, construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, since these are solely

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the Contractor's responsibility as provided in Paragraph 3.03. The Design Professional will not be responsible for the Contractor's failure to carry out the Work in accordance with the Contract Documents. The Design Professional will not have control over or charge of, and will not be responsible for, acts or omissions of the Contractor, Subcontractors, or their agents or employees, or of any other persons performing portions of the Work.

- D. Communications Facilitating Contract Administration. Except as otherwise provided in the Contract Documents or when direct communications have been specially authorized, the Owner and Contractor will endeavor to communicate through the Design Professional. Communications by and with the Design Professional's consultants will be through the Design Professional. Communications by and with subcontractors and material suppliers will be through the Contractor. Communications by and with separate contractors will be through the Owner.
- E. Based on the Design Professional's observations and evaluations of the Contractor's Applications for Payment, the Design Professional will review and certify the amounts due the Contractor and will approve or disapprove the Application for Payment.
- F. The Owner and Design Professional will have authority to reject Work which does not conform to the Contract Documents. Whenever the Owner or Design Professional considers it necessary or advisable for implementation of the intent of the Contract Documents, the Owner or Design Professional will have authority to require additional inspection or testing of the Work in accordance with Subparagraphs 12.05 B. and 12.05 C., whether or not such work is fabricated, installed or completed. However, neither this authority of the Owner or Design Professional nor a decision made in good faith either to exercise or not to exercise such authority will give rise to a duty or responsibility of the Owner or Design Professional to the Contractor, subcontractors, material and equipment suppliers, their agents or employees, or other persons performing portions of the Work.
- G. The Design Professional will review and approve or take other appropriate action upon the Contractor's submittals such as Shop Drawings, Product Data and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents and only to the extent which the Owner or Design Professional believes desirable to protect the Owner's interests. The Design Professional's action will be taken with reasonable promptness, while allowing sufficient time in the Design Professional's professional judgment to permit adequate review, taking into account the time periods set forth in the latest recognized Construction Schedule prepared by the Contractor and reviewed by the Design Professional. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Design Professional's review of the Contractor's submittals will not relieve the Contractor of the obligations under Paragraphs 3.03, 3.05 and 3.12. The Design Professional's review will not constitute approval of safety precautions or of any construction means, methods, techniques, sequences or procedures. The Design Professional's approval of a specific item will not indicate approval of an assembly of which the item is a component.

- H. The Design Professional or Owner will prepare Change Orders and Construction Change Directives, and may authorize minor changes in the Work as provided in Paragraph 7.04.
- I. The Design Professional will conduct inspections in conjunction with the Owner to determine the date or dates of Substantial Completion and the date of Final Acceptance, will receive and forward to the Owner for the Owner's review and records written warranties and related documents required by the Contract and assembled by the Contractor, and will review and certify a final Application for Payment upon compliance with the requirements of the Contract Documents.
- J. The Design Professional, in conjunction with the Owner, will interpret and decide matters concerning performance under and requirements of the Contract Documents on written request of the Contractor. The Design Professional's response to such requests will be made with reasonable promptness and within time limits agreed upon. The Design Professional may, as the Design Professional judges desirable, issue additional drawings or instructions indicating in greater detail the construction or design of the various parts of the Work. Such drawings or instructions may be affected by other supplemental instruction or other notice to the Contractor and, provided such drawings or instructions are reasonably consistent with the previously existing Contract Documents, the Work will be executed in accordance with such additional drawings or instructions without additional cost or extension of the Contract Time.
- K. Interpretations and decisions of the Design Professional, in conjunction with the Owner, will be consistent with the intent of and reasonably inferable from the Contract Documents and will be in writing or in the form of drawings. When making such interpretations and decisions, the Design Professional will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either and will not be liable for results of interpretations or decisions so rendered in good faith.
- L. The Design Professional's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

4.03 CLAIMS AND DISPUTES

- A. Definition. A Claim is a written demand or assertion by one of the parties seeking, as a matter of right, adjustment or interpretation of Contract terms, payment of money, or an extension of time or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the Owner and Contractor arising out of or relating to the Contract. Claims must be made by written notice. The responsibility to substantiate claims will rest with the party making the claim.
 - 1. Claims must be made within 21 calendar days after occurrence of the event giving rise to such Claim or within 21 calendar days after the claimant first recognizes the condition giving rise to the Claim, whichever is later. If for any reason the Contractor deems that additional cost or Contract Time is due to the Contractor for Work not clearly provided for in the Contract Documents or previously authorized changes in the Work, the Contractor will notify the Owner in writing of its intention to claim such additional cost or Contract Time before the Contractor begins the Work on which the Contractor bases the claim. If such notification is not given or the Owner is not afforded proper opportunity by the Contractor for keeping strict account of actual cost or time as required, then the

Contractor hereby agrees to waive any claim for such additional cost or Contract Time.

2. Such notice by the Contractor and the fact that the Owner or Design Professional has kept account of the cost or time of the Work will not in any way be construed as proving or substantiating the validity of the Claim. When the Work on which the Claim for additional cost or Contract Time is based has been completed, the Contractor will, within 21 calendar days, submit Contractor's written Claim to the Owner. The failure to timely submit the claim as required herein will constitute a waiver of said Claim. Claims arising prior to Final Payment or the earlier termination of the Contract will be referred initially to the Owner for action as provided in Paragraph 4.04.
- B. Claims must be made within 21 calendar days after occurrence of the event giving rise to such Claim or within 21 calendar days after the claimant first recognizes the condition giving rise to the Claim, whichever is later. If the Contractor wishes to reserve its rights under this Paragraph, written notice of any event that may give rise to a Claim must be given within 21 calendar days of the event, whether or not any impact in money or time has been determined. Claims must be made by written notice. Any change or addition to a previously made Claim will be made by timely written notice in accordance with this Paragraph. The failure to give notice as required herein will constitute a waiver of said Claim.
- C. Continuing Contract Performance. Pending final resolution of a Claim, unless otherwise agreed in writing, the Contractor will proceed diligently with performance of the Contract. Owner, however, will be under no obligation to make payments on or against such disputed claims, disputes or other matters in question during the pendency of any proceedings to resolve such disputed claims, disputes or other matters in question.
- D. Non-Waiver of Claims: Final Payment. The making of final payment will not constitute a waiver of claims by the Owner.
- E. Claims For Concealed or Unknown Conditions. Owner may make available to the Contractor prior to the bid opening and during the performance of the Work, Record Documents and Drawings pertaining to the existing structures and/or facilities relative to this Project. Record Documents and Drawings will not be considered a part of the Contract Documents. Owner does not warrant the accuracy of such Record Documents and Drawings to the Contractor and the Contractor will be solely responsible for all assumptions made in reliance thereupon. Record Documents and Drawings are not warranted or intended to be complete depictions of existing conditions, nor do they necessarily indicate concealed conditions. The locations of electrical conduit, telephone lines and conduit, computer cables, FAA cables, storm lines, sanitary lines, irrigation lines, gas lines, mechanical apparatus and appurtenances, HVAC piping/ductwork, and plumbing may only appear schematically, if at all, and the actual location of such equipment is in many cases unknown. Contractor will take the foregoing into consideration when preparing its bid, and will not be entitled to any additional compensation on account of concealed conditions except as specifically set forth below.
1. Should the Contractor encounter concealed conditions in an existing structure or below the surface of the ground, not discoverable by a careful inspection and differing materially from conditions ordinarily encountered and generally recognized in or about a site of this type, the Contractor will stop work at the

location where the concealed condition was discovered and give immediate written notice of the condition to the Owner. The Owner and Design Professional shall investigate and adjust the Contract Sum and/or time by Change Order upon claim by either party, if made before conditions are disturbed and in no event later than 21 days after the first observance of the conditions. Nothing herein is intended to limit or modify the obligations of the Contractor set forth in Section 01545 – UTILITIES. Contractor shall not be entitled to a Change Order for the Contract Sum and/or time if the Contractor knew of the existence of such conditions at the time Contractor bid, or the existence of such conditions could have been reasonably discovered or revealed as a result of any examination, investigation, exploration, test, or study of the site and contiguous areas as required by the Contract, or if Contractor failed to give written notice as required by this Article.

2. There will be no adjustment of the Contract Sum on account of other costs resulting from topsoil or water conditions including, without limitation, costs on account of delay, administration, operations, temporary construction, cave-in or collapse of excavations, or pumping.

F. Claims for additional cost. If the Contractor wishes to make claim for an increase in the Contract Sum, written notice as provided herein will be given before proceeding to execute the Work. Prior notice is not required for Claims relating to an emergency endangering life or property arising under paragraph 10.03. Claim will be filed in accordance with the procedure established herein. Anticipated, unanticipated, abnormal or adverse weather conditions will not be the basis of a claim for additional cost. The Contract Sum will not be increased for any weather related conditions.

G. CLAIMS FOR ADDITIONAL TIME.

1. If the Contractor wishes to make claim for an increase in the Contract Time, written notice as provided herein will be given. The Contractor will have the burden of demonstrating the effect of the claimed delay on the Contract Time and critical path, and will furnish the Owner with such documentation relating thereto as the Owner will reasonably require. Only the claims that impact the critical path will be considered to increase the Contract Time. In the case of a continuing delay only one claim is necessary.
2. The Contract Time will not be increased for any reasonably anticipated weather related delay. The Owner may consider adverse weather conditions not reasonably anticipated as a basis of a claim for additional time.

H. ESCROW OF BID DOCUMENTS.

1. The Contractor agrees that all documents relied upon in making or supporting their Bid will be retained in escrow prior to the date the Contract is awarded and preserved and updated during the course of the Work until Final Payment is made. The Owner will have the right to inspect any and all such Bid Documents and to verify that such Bid Documents are properly escrowed prior to the time of the Award of the Contract, or at any time thereafter during the course of the Work.
 - a. If any Claim is made pursuant to the Contract, the Contractor will provide for the Owner's review, at the Owner's request, all escrowed

Bid Documents. If the Owner requests to review the escrowed Bid Documents and the Contractor fails to timely provide them or has failed to preserve them, no claim by the Contractor will be honored by the Owner.

- b. If the Contractor contends that such Bid Documents are proprietary or otherwise confidential, the Contractor will so state as to any such documents, will provide them to the Owner as part of the Claim process, and will identify all such documents as exempted from disclosure under Florida Statute Chapter 119.
- c. Said escrowed Bid Documents referred to in this Part will be subject to review in the event of any audit. The Owner may require that an appropriate audit be conducted. In the event the audit supports the Contractor's claim, the Owner will pay for the audit. In the event the audit does not support the Contractor's claim, the Contractor will pay for the audit.
- d. The Contractor will provide all information and reports requested by the Owner, or any of their duly authorized representatives, or directives issued pursuant thereto, and will permit access, for the purpose of audit and examination to the Contractor's books, records, accounts, documents, papers or other sources of information and its facilities, as may be determined by the Owner to be pertinent to ascertain compliance with this Part. The Contractor will keep all Project accounts and records which fully disclose the amount of the Bid. The accounts and records will be kept in accordance with an accounting system that will facilitate an effective audit in accordance with the Single Audit Act of 1984.

4.04 RESOLUTION OF CLAIMS AND DISPUTES

- A. The failure of Owner to enforce at any time or for any period of time any one or more provisions of this Contract will not be construed to be and will not be a waiver of any such provision or provisional or of its right thereafter to enforce each and every provision.
- B. The following shall occur as a condition precedent to the Owner's review of a claim unless waived in writing by the Owner:

Field Representatives' Meeting: Within five days (5) after a dispute occurs, the Contractor's senior project management personnel who have authority to resolve the dispute shall meet with the Design Professional and Owner's project representative who have authority to resolve the dispute, in a good faith attempt to resolve the dispute. If a party intends to be accompanied at a meeting by legal counsel, the other party shall be given at least three (3) working days' notice of such and also may be accompanied by legal counsel. All negotiations pursuant to this clause are confidential and shall be treated as compromise and settlement negotiations for purposes of rules of evidence.

Management Representatives' Meeting: If the Field Representatives' Meeting fails to resolve the dispute, a senior executive for the Contractor and for the Owner, neither of which have day to day Project management responsibilities, shall meet, within ten days (10) after a dispute occurs, in an attempt to resolve the dispute and any other identified

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disputes or any unresolved issues that may lead to dispute. The Owner may invite the Design Professional to this meeting. If a party intends to be accompanied at a meeting by legal counsel, the other party shall be given at least three (3) working days' notice of such and also may be accompanied by legal counsel. All negotiations pursuant to this clause are confidential and shall be treated as compromise and settlement negotiations for purposes of rules or evidence.

Following the Field Representatives' Meeting and the Management Representatives' Meeting, the Owner will review the Contractor's claims and may (1) request additional information from the Contractor which will be immediately provided to Owner, or (2) render a decision on all or part of the claim. The Owner will notify the Contractor in writing of the disposition of the claim within 21 days following the receipt of such claim or receipt of additional information requested.

1. If the Owner decides that the Work relating to such Claim should proceed regardless of the Owner's disposition of such Claim, the Owner will issue to the Contractor a written directive to proceed. The Contractor will proceed as instructed.
2. The Owner may unilaterally, in its sole discretion, adjust the time frame in 4.04.

PART 5 – SUBCONTRACTORS

5.01 DEFINITIONS

- A. A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a separate Contractor or subcontractors of a separate Contractor.
- B. A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work. The term "Sub-Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-Subcontractor or an authorized representative of the Sub-Subcontractor.
- C. The Owner or Design Professional will not recognize any Subcontractor on the Work. The Contractor will at all times, when Work is in progress, be represented either in person by a qualified superintendent, or by other designated, qualified representative who is duly authorized to receive and execute orders of the Owner or Design Professional.

5.02 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK

- A. Unless otherwise stated in the Contract Documents or the bidding requirements, the Contractor, as soon as practicable after award of the Contract, will furnish in writing to the Owner, the names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each principal portion of the Work. After due investigation, the Owner will promptly reply to the Contractor in writing stating whether or not the Owner has reasonable objection to any

such proposed person or entity. Failure of the Owner to reply promptly will constitute notice of no reasonable objection.

- B. The Owner reserves the right to investigate the prequalification and qualifications and responsibility of proposed or actual Subcontractors, and to prohibit same from performing Work on the Project where such investigation, in the judgment of the Owner, reveals that such Subcontractors are unqualified and/or non-responsible. The Owner's criteria for such determination may include, without limitation: financial condition, experience, character of workers and equipment, and past performance. The Contractor will not contract with a proposed person or entity to which the Owner has made reasonable and timely objection. The Contractor will not be required to contract with anyone to whom the Contractor has made reasonable objection.
- C. If the Owner has reasonable objection to any such proposed person or entity, the Contractor will submit a substitute to whom the Owner have no reasonable objection.
- D. The Contractor will not change a Subcontractor, person or entity listed in Contractor's Subcontractors List without permission of the Owner.
- E. Owner reserves the right but does not assume the obligation to pay any and all subcontractors and suppliers directly if a dispute arises with the Contractor. Contractor agrees that any such payment would not be an interference with contractual relations.

5.03 SUBCONTRACTUAL RELATIONS

By appropriate contract, written where legally required for validity, the Contractor will require each Subcontractor, to the extent of the work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities which the Contractor, by the Contract Documents, assumes toward the Owner and Design Professional. Each subcontract agreement will preserve and protect the rights of the Owner and Design Professional under the Contract Documents with respect to the work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and will allow to the Subcontractor, unless specifically provided otherwise in the subcontract, the benefit of all rights, remedies and redress against the Contractor that the Contractor, by the Contract Documents, has against the Owner. Where appropriate, the Contractor will require each Subcontractor to enter into similar contracts with Sub-Subcontractors. The Contractor will make available to each proposed Subcontractor, prior to the execution of the subcontract, copies of the Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract which may be at variance with the Contract Documents. Subcontractors will similarly make copies of applicable portions of such documents available to their respective proposed Sub-Subcontractors. The Contractor will include a provision providing the Owner the same rights to audit at the subcontractor level in all of its subcontractor agreements executed to effect project completion.

PART 6 – CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

6.01 OWNER'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS

- A. The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and to award separate contracts in connection with other portions of the Project or other construction or operations on the site under

conditions of the Contract identical or substantially similar to these including those portions related to insurance and waiver of subrogation.

- B. When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case will mean the Contractor who executes each separate Owner-Contractor contract.
- C. The Contractor, with the Owner's assistance, will coordinate each separate contractor with the Work of the Contractor, who will cooperate with them. The Owner will provide for the coordination of the Owner's own forces with the Work of the Contractor, who will cooperate with them. The Contractor will coordinate with other separate contractors and the Owner in reviewing their construction schedules. The Contractor will make any revisions to the construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules will then constitute the schedules to be used by the Contractor, separate contractors and the Owner until subsequently revised.

6.02 MUTUAL RESPONSIBILITY

- A. The Contractor will afford the Owner and separate contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities and will connect and coordinate the contractors' construction and operations with theirs as required by the Contract Documents.
- B. If any part of the Contractor's Work depends, for proper execution or operation, upon the Work or any applicable portion thereof, of any other separate Contractor, the Owner will give the Contractor written notice of the date when the other contractor will have completed its construction or any applicable portion thereof and the Contractor will have 15 days from the date so specified within which to inspect the other contractor's construction or any applicable portion thereof and to accept said construction or to reject in a written statement to the Owner reciting all discrepancies or defects which affect Contractor's work and, therefore, must be remedied. Upon receipt of such statement, the Design Professional will see that necessary corrections are made and will notify the Contractor when such corrective work is to be complete. The Contractor will have 15 days from the date so specified within which to inspect and report again, in order to determine that discrepancies or defects have been corrected.
 - 1. Failure of the Contractor to inspect and report, as set forth above, will constitute an acceptance of the other contractor's construction or any applicable portion thereof as fit and proper to receive Contractor's Work, except as to latent defects which may develop in the separate contractor's construction or any applicable portion thereof after the execution of the Contractor's work.
 - 2. Upon completion of the other contractor's construction or any applicable portion thereof, the area will be turned over to the Contractor.
- C. Costs caused by delays or defective construction will be borne by the party responsible therefore.

- D. The Contractor will promptly remedy damage wrongfully caused by the Contractor to completed or partially completed construction or to property of the Owner or separate contractors as provided in Subparagraph 10.02 E.
- E. Should the Contractor cause damage to the work or property of any separate contractor on the Project, the Contractor will, upon due notice by the Owner, settle with such other contractor by contract if other contractor will so settle. If such separate contractor sues the Owner on account of any damage alleged to have been so sustained, the Owner will notify the Contractor who will defend such proceedings with the cooperation of the Owner and, if any judgment against the Owner arises therefrom, the Contractor will pay or satisfy same to the extent caused by the fault of the Contractor and will reimburse the Owner for all reasonable attorneys' fees and court costs which the Owner has incurred.
- F. The Owner and each separate contractor will have the same responsibilities for cutting and patching as are described for the Contractor in Paragraph 3.14.

6.03 OWNER'S RIGHT TO CLEAN UP

If a dispute arises among the Contractor, separate contractors and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish as described in Paragraph 3.15, the Owner may clean up and allocate the cost among those responsible as the Owner, in its sole discretion, determines to be just.

PART 7 – CHANGES IN THE WORK

7.01 CHANGES

- A. Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, only by Change Order, Supplemental Agreement, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Part and elsewhere in the Contract Documents.
 - 1. Any Claim for payment for changes in the Work that is not covered by written Change Order will be rejected by the Owner. The Contractor, by submitting the Bid, acknowledges and agrees that the Contractor will not be entitled to payment for changes in the Work unless such Work is specifically authorized in writing by the Owner in advance. The terms of this Part may not be waived by the Owner unless such waiver is in writing and makes specific reference to this Part.
- B. A Change Order will be based upon contract among the Owner and Contractor. A Construction Change Directive requires a contract by the Owner and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Owner alone.
- C. Changes in the Work will be performed under applicable provisions of the Contract Documents, and the Contractor will proceed promptly, unless otherwise provided in the Change Order, Construction Change Directive or order for a minor change in the Work.
- D. If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are so changed in a proposed Change Order or

Construction Change Directive that application of such unit prices to quantities of Work proposed will cause substantial unfairness to the Owner or Contractor, the applicable unit prices will be adjusted.

E. ALTERATION OF WORK AND QUANTITIES.

1. The Owner reserves and will have the right to make such alterations in the Work as may be necessary or desirable to complete the Work originally intended in an acceptable manner. Unless otherwise specified herein, the Owner will be and is hereby authorized to make such alterations in the Work as may increase or decrease the originally awarded Contract Work, provided that the aggregate of such alterations does not change the total Contract cost or the total cost of any major Contract item by more than 25% (total cost being based on the unit prices and estimated quantities in the awarded Contract). Alterations that do not exceed the 25% limitation will not invalidate the Contract nor release the Surety, and the Contractor agrees to accept payment for such alterations as if the altered Work had been a part of the original Contract. These alterations which are for Work within the general scope of the Contract will be covered by "Change Orders" issued by the Owner. Change Orders for altered Work may include extensions of Contract Time where, in the Design Professional's opinion, such extensions are commensurate with the amount and difficulty of added Work.
2. Should the aggregate amount of altered Work exceed the 25% limitation specified above, such excess altered Work will be covered by Supplemental Agreement. If the Owner and the Contractor are unable to agree on a unit adjustment for any Contract item that requires a Supplemental Agreement, the Owner reserves the right to terminate the Contract with respect to the item and make other arrangements for its completion.

7.02 CHANGE ORDERS

- A. A Change Order is a written instrument prepared by the Owner and signed by the Owner, Contractor and Design Professional, stating their agreement upon all of the following:
 1. a change in the Work;
 2. the amount of the adjustment in the Contract Sum, if any;
 3. the extent of the adjustment in the Contract Time, if any; and
 4. changes to the terms and conditions of this Contract including the W/MBE or DBE percentage, if any.
- B. Methods used in determining adjustments to the Contract Sum will include those listed in Paragraph 7.03 B.1.
- C. Supplemental Agreement. A written agreement between the Contractor and the Owner covering (1) work that would increase or decrease the total amount of the awarded Contract, or any major Contract item, by more than 25%, such increased or decreased

Work being within the scope of the originally awarded Contract; or (2) Work that is not within the scope of the originally awarded Contract.

7.03 CONSTRUCTION CHANGE DIRECTIVES

- A. A Construction Change Directive is a written order prepared by the Owner or Design Professional and signed by the Owner, directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract Sum, Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract Sum and Contract Time being adjusted accordingly.
- B. A Construction Change Directive will be used in order to expedite the Work and avoid or minimize delays in the Work which may affect the Contract Sum or Contract Time. When determined by the Owner to be in the Owner's best interest, the Owner may, with or without the Contractor's agreement, direct or order the Contractor to proceed with changes in the Work by the issuance of a Construction Change Directive.
1. If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment will be based on one of the following methods:
 - a. Mutual acceptance of a lump sum, properly itemized and supported by sufficient substantiating data to permit evaluation;
 - b. By unit prices stated in the Contract Documents or otherwise mutually agreed upon;
 - c. By the cost estimated method as described in Paragraph 7.03 C., plus the accepted percentage, if applicable. The Contractor's estimate will become a fixed price which will not be changed by any variation in the actual cost of executing the Work covered by the change;
 - d. Cost to be determined in a manner agreed upon by the parties, plus, if applicable, percentage; or
 - e. As provided in Paragraph 7.03 F., by actual cost determined after the Work covered by the change is completed, plus, if applicable, percentage.
 2. As used in this Paragraph 7.03, Construction Change Directive's "cost" will mean the estimated or actual net increase in cost to the Contractor or Subcontractor for performing the Work covered by the change, including actual payments for materials, equipment rentals, expendable items, wages and associated benefits to workers and to supervisors employed full time at the site where the Work is performed, insurance, bonds, and other provable direct costs, but not including any administrative, accounting or expediting costs, or other indirect or overhead costs, or any wages or benefits of supervisory personnel not assigned full time to the site, or any amount for profit or fee to the Contractor, Subcontractor, or Sub-Subcontractor. Rates for the Contractor and Subcontractor owned equipment will not exceed the rates listed in the Associated Equipment Distributors rental rate book as adjusted to the regional area of the Work under this Contract.

3. "Percentage" will mean an amount to be added to the cost for overhead and profit and any other expense which is not included in the cost of the Work covered by the change, as defined above. The maximum percentage for total overhead and profit and any other expense which is not included in the cost of the Work will be as follows:
 - a. For the Contractor, 15% of any net increase of costs of any Work performed by the Contractor's own forces on-site only.
 - b. For the Subcontractor, 10% of any net increase of cost of any Work performed by the Subcontractor's own forces on-site only, plus 5% of any net increase in the cost of the Work for the Contractor on-site only.
 - c. Per the Contract negotiations and as noted in the exhibit(s).
 4. When in the reasonable judgment of the Owner a series of Construction Change Directives or Change Orders affect a single change, the percentage will be calculated on the cumulative net increase in cost, if any.
 5. Overhead will include the following:
 - a. Supervision wages, timekeepers, watchmen and clerks, hand tools, incidentals, general office expense, and all other expenses not included in "cost."
- C. Upon request of the Owner, the Contractor will, without cost to the Owner, submit to the Owner, in such form as the Owner may require an accurate written estimate of the cost of any proposed extra work or change. The estimate will indicate the quantity and unit cost of each item of materials, and the number of hours of work and hourly rate for each class of labor, as well as the description and amounts of all other costs chargeable under the terms of this Part. Unit labor costs for the installation of each item of materials will be shown if required by the Owner. The Contractor will promptly revise and resubmit such estimate if the Owner determines that it is not in compliance with the requirements of this Part, or that it contains errors of fact or mathematical errors.
1. If required by the Owner, in order to establish the exact cost of new Work added or of previously required Work omitted, the Contractor will obtain and furnish to the Owner bona fide proposals from recognized suppliers for furnishing any material included in such Work. Such estimates will be furnished promptly so as to occasion no delay in the Work and will be furnished at the Contractor's expense. The Contractor will state in the estimate any extension of time required for the completion of the Work if the change or extra work is ordered.
- D. Upon receipt of a Construction Change Directive, the Contractor will promptly proceed with the change in the Work involved and advise the Owner of the Contractor's agreement or disagreement with the method provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum and/or Contract Time.
- E. A Construction Change Directive signed by the Contractor indicates the agreement of the Contractor therewith, including the adjustment in Contract Sum and/or Contract

Time or the method for determining them. Such agreement will be effective immediately and will be subsequently recorded in/as a Change Order.

- F. If the Contractor does not respond promptly or disagrees with the method for adjustment of the Contract Sum, the method and the adjustment will be determined by the Owner on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, a percentage for overhead and profit. In such case, and also under Paragraph 7.03 B.1.(e), the Contractor will keep and present, in such form as the Owner may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Subparagraph will be limited to the following:
1. Costs of labor, including social security, old age and unemployment insurance, fringe benefits required by agreement or custom, and workers' compensation insurance;
 2. Costs of materials, supplies and equipment, including costs of transportation, whether incorporated or consumed;
 3. Rental costs of machinery and equipment, exclusive of hand tools, whether rented from the Contractor or others; and
 4. Costs of premiums for all bonds and insurance, permit fees, and sales, use or similar taxes related to the Work.
- G. The amount of credit to be allowed by the Contractor to the Owner for a deletion or change which results in a net decrease in the Contract Sum will be actual net cost as confirmed by the Owner. When both additions and credits covering related Work or substitutions are involved in a change, the percentage for overhead and profit will be figured on the basis of net increase, if any, with respect to that change.
- H. If the Owner and Contractor do not agree with the adjustment in Contract Time or the method for determining it, the adjustment or the method will be referred to the Design Professional for determination.
- I. When the Owner and Contractor agree with the determination made by the Design Professional concerning the adjustments in the Contract Sum and/or Contract Time, or otherwise reach agreement upon the adjustments, such agreement will be effective immediately and will be subsequently recorded in preparation and execution of an appropriate Change Order.

7.04 MINOR CHANGES IN THE WORK

The Owner will have authority to order minor changes in the Work not involving adjustment to the Contract Sum or extension of the Contract Time and not inconsistent with the intent of the Contract Documents. Such changes will be effected by written order and will be binding on the Owner and Contractor. The Contractor will carry out such written orders promptly.

PART 8 – TIME

8.01 DEFINITIONS

- A. Unless otherwise provided, the Contract Time(s) is the period of time allotted in the Contract Documents for Substantial Completion of the Work or designated portion thereof as defined in Paragraph 8.01 C., including adjustments thereto.
- B. The date of commencement of the Work is the date established in a written notice to proceed. Work under this Contract will not commence until the Owner has issued a written notice to proceed. Notwithstanding the previous sentence, preliminary work such as procuring Insurance Policy Endorsements, Certificates of Insurance and Payment and Performance Bonds can proceed after the Contract is signed and prior to the Notice to Proceed. The Contractor will begin the work to be performed under the Contract within ten days of the date set by the Owner in a written notice to proceed but, in any event, the Contractor will notify the Owner at least 48 hours in advance of the time actual construction operations will begin. The date will not be postponed by the failure to act of the Contractor or of persons or entities for whom the Contractor is responsible.
- C. The date of Substantial Completion is the date certified by the Owner in accordance with Paragraph 9.07.
- D. The term "day" as used in the Contract Documents will mean calendar day unless otherwise specifically defined.
- E. The Contractor's plea that insufficient Contract Time was specified will not be a valid reason for extension of Contract Time. No extension of Contract Time for completion will be granted.

8.02 PROGRESS AND COMPLETION

- A. Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Contract the Contractor confirms that the Contract Time is a reasonable period for performing the Work. In the event the Contractor fails to promptly complete the Work herein within the Contract Time(s) provided, liquidated damages will accrue in the amount(s) and manner specified in the Contract.
- B. The Contractor will furnish sufficient forces, construction plant and equipment, and will work such hours, including night shifts and other overtime operations, as may be necessary to insure prosecution of the Work in accordance with the Construction Schedule. Contractor will take such steps as may be necessary or as may be directed by the Owner to improve Contractor's progress by increasing the number of shifts, overtime operations, days of work, and amount of construction plant, as may be required, at no additional cost to the Owner.
- C. Maintenance of Schedule: The Contractor will prosecute the Work with sufficient forces, materials, and equipment to maintain progress in accordance with the Construction Schedule. Should the Work in whole or in part fall behind the Construction Schedule, or should the progress of the Work appear to the Owner to be inadequate to assure completion on the completion date(s) specified in the Contract, the Contractor will, upon written notice from the Owner, take appropriate steps within seven days of such notice to put the Work back on schedule and meet the specified completion date(s).

1. Should the Contractor fail to institute appropriate measures within seven days, or should the measures taken fail to put the Work back on schedule within 14 days of such notice, the Owner may, but will not be required to, supplement the Contractor's forces, materials and/or equipment with other forces, materials and/or equipment. The cost of such other forces, materials and/or equipment will be deducted by the Owner from sums otherwise owing to the Contractor. The Owner's use of such supplemental forces, materials and/or equipment will not excuse the Contractor from performing all of its obligations under the Contract Documents or relieve the Contractor from liquidated damages. The Contractor will coordinate and work together with such supplemental forces, materials and/or equipment.
 2. Failure of the Contractor to comply with the requirements under this Paragraph will be grounds for determination that the Contractor is not prosecuting the Work with such diligence as will insure completion within the time(s) specified and such failure constitutes a material breach of the Contract Documents. Upon such determination, the Owner may terminate the Contractor's right to proceed with the Work, or any separate part thereof, in accordance with Part 13, TERMINATION OR SUSPENSION OF THE CONTRACT.
- D. The Contractor will proceed expeditiously with adequate forces and will achieve Substantial Completion within the Contract Time(s).

8.03 DELAYS AND EXTENSIONS OF TIME

- A. No claim for damages or any claim other than for an extension of time will be made or asserted against the Owner by reason of any Delay, whether such Delay is related to (i) late or early completion, (ii) delay in the commencement, prosecution or completion of the Work, (iii) hindrance or obstruction in the performance of the Work, (iv) loss of productivity, or (v) other similar claims (collectively "Delay"), whether or not such Delay is foreseeable, unless the Delay is caused by acts of the Owner constituting fraud or active interference with the Contractor's performance of the Work, and only to the extent such acts continue after Contractor furnishes the Owner with notice of such fraud or active interference. The Contractor will not be entitled to an increase in the Contract Sum or payment or compensation of any kind from the Owner for direct, indirect, consequential, impact or other costs, expenses or damages, including but not limited to: damages related to loss of business, loss of opportunity, impact damages, loss of financing, principal office overhead and expenses, loss of profits, loss of bonding capacity and loss of reputation; costs of acceleration or inefficiency, arising because of Delay, disruption, interference or hindrance from any cause whatsoever; provided, however, that this provision will not preclude recovery of direct and actual damages by the Contractor for hindrances or delays due solely to fraud or active interference on the part of the Owner. Otherwise, the Contractor may be entitled only to extensions of the Contract Time as the sole and exclusive remedy for such resulting delay, in accordance with and to the extent specifically provided above. The Owner's exercise of any of its rights or remedies under the Contract Documents (including but not limited to, order changes in the Work, directing suspension, rescheduling or correction of the Work), regardless of the extent or frequency of Owner's exercise of such rights or remedies, shall not be construed as active interference with the Contractor's performance of the Work.

- B. Claims relating to time will be made in accordance with applicable provisions of Paragraph 4.03. Contractor's plea that insufficient time was specified will not be a valid reason for extension of the Contract time. Contract time will not be extended for a weather related delay except as provided in Paragraph 4.03.
 - 1. Permitting the Contractor to continue and finish the Work or any part of it after the time fixed for its completion, or after that date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the Owner of any of its rights under the Contract.

PART 9 – PAYMENTS AND COMPLETION

9.01 CONTRACT SUM

The Contract Sum is stated in the Contract and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

9.02 SCHEDULE OF VALUES

- A. Before submitting the first Application for Payment, the Contractor will submit to the Owner and the Design Professional a Schedule of Values. Refer to Section 01370 – SCHEDULE OF VALUES for additional information.
 - 1. The Schedule of Values will be approved by the Owner and the Design Professional prior to submitting the initial Application for Payment.
 - 2. The Schedule of Values will be in a form as required by the Owner and the Design Professional to adequately establish costs of the Work.
 - 3. This Schedule of Values will be prepared in such a form and supported by such data to substantiate its accuracy in reflecting the above breakdown for administrative and payment purposes as the Owner or Design Professional may require and will be revised later if found by the Design Professional to be inaccurate. If the Contract involves multiple projects and/or airports, project and/or airport sub-totals will be required.
 - 4. This Schedule of Values, unless objected to by either the Owner or the Design Professional, will be used only as a basis for the Contractor's Application for Payment.
 - 5. The Schedule of Values must be sent electronically in Microsoft Excel format along with the Application for Payment.
 - 6. Initial Payment Application: The principal administrative actions and submittals which will precede or coincide with submittal of the Contractor's first Application for Payment are as follows, but not necessarily by way of limitation:
 - a. Listing of Subcontractors and principal suppliers and fabricators.
 - b. Schedule of Values.
 - c. Initial recognized CPM (or Bar Chart) Construction Schedule.

- d. Schedule of submittals.
- e. Stored Material spreadsheet and verification form.
- f. Subcontractor signed agreements.

9.03 APPLICATIONS FOR PAYMENT

- A. The Contractor will, as a condition precedent to the right to receive any monthly payment, submit to the Owner, an Application for Payment, sample attached herein and identified as Exhibit A – Aviation Authority Application for Payment.
 - 1. Scope of Payment: For performance of this Contract, the Owner will make payments in U.S. Dollars to the Contractor in accordance with the Owner approved Schedule of Values, which will be based on the Contract Sum amount established by the Contractor in Section 00300 – BID FORM. It is understood that the Contract Sum amount to be paid to the Contractor will be totally based on the said amount contained in Section 00300 – BID FORM and made a part of this Contract for the Work actually complete.
 - a. The Contractor will receive and accept compensation provided for in the Contract as full payment for furnishing all materials, for performing all Work under the Contract in a complete and acceptable manner, and for all risk, loss, damage, or expense of whatever character arising out of the nature of the Work or the prosecution thereof, subject to the provisions of Paragraph 11.02 G., herein.
 - 2. With the exception of the month of September, all notarized Applications for Payment will be submitted to the Owner by the third of each month. In the event that the third of the month falls on a Saturday, Sunday, or non-working day, Applications for Payment are due the prior business day. Payment will be made on the twenty fifth of the following month. If the twenty fifth of the subsequent month falls on a Saturday, Sunday or non-working day, then payment will be made on the next business day. Applications for Payment submitted more than 25 days prior to the third of the month will be rejected and returned. Due to the end of fiscal year financial closeout, September Applications for Payment will be required to be submitted by September 12th, and in the event that the 12th falls on a Saturday, Sunday, or non-working day, Applications for Payment are due the next business day and a subsequent payment will be made the second Friday of October. The Owner requires the Contractor to have a pencil copy review and approval of all Applications for Payment with the Owner's Construction Project Manager prior to their submittals.
 - 3. The Contractor will submit to the Owner via email to AppforPayment@TampaAirport.com, one electronic copy of an executed and notarized original of an itemized Application for Payment prepared on a form that is on the CD supplied by the Owner at the pre-construction meeting and based on the agreed Schedule of Values and copy (pdf) of all submitted backup documents, supported by such data substantiating the Contractor's right to payment as the Owner or Design Professional may require and reflecting retainage for all Work performed through the last day of each month or agreed

upon date. The Application for Payment will be certified by a person duly authorized in writing to execute contractual instruments on behalf of the Contractor.

- a. Each Application for Payment will include the Contractor's signed notarized statement, based on the agreed Schedule of Values of the value of the Work. The total payment for each month will be broken down according to the specific items from the Schedule of Values that have been completed/delivered for which payment is requested. All such payments will be commensurate with the actual progress of the Work which must be substantiated and itemized in the Monthly Construction Schedule. Payment will not be made for any Work which cannot be so substantiated. Refer to Section 01315 – SCHEDULES, PHASING.
 - b. All progress payments will be subject to correction following the discovery of an error, misrepresentation, or unallowable cost in any previous Application for Payment. Approval of such erroneous Application for Payment will not in any respect be taken as an admission by the Owner of the amount of Work completed, or the release of the Contractor from any of its responsibility under the Contract.
4. The Contractor's design and construction schedule will be updated on a monthly basis and a copy thereof submitted with each of the Contractor's Applications for Payment. This schedule update shall include a thirty (30) day "look-ahead schedule", projected variances and calculation of the number of days difference between the as-built critical path and the Project Schedule critical path. Contractor shall, with each Application for Payment, provide completed monthly updated information for the previous month on the Project Schedule and updated information on manpower indicated as-built and as-planned conditions. The updated information in the Project Schedule shall not modify any milestone dates in the Project Schedule that Owner has previously approved. The Owner will not approve for payment an Application for Payment not containing the Contractor's submission of an approved monthly design and construction schedule update. Refer to General Requirements Section 1315 – SCHEDULES, PHASING.
5. In addition to the schedule updates required above, with each Application for Payment, Contractor shall, in addition to documentation required under the Contract, submit the following information which is required to process any Application for Payment including a monthly status report concisely but completely describing in narrative form, the current status of the Work including, without limitation:
- a. A review of actual progress during the month in comparison to the Project Schedule and, if actual progress is behind schedule, discussion of any "work around" or "catch up plan" that Contractor has employed or will employ to recover the original Project Schedule;
 - b. A concise statement of the outlook for meeting future Project Schedule dates, and the reasons for any change in outlook from a previous report;

c. A concise statement of significant progress on major items of Work during the report period, with progress photographs as necessary to document the current status of the Work;

d. A review of any significant technical problems encountered during the pay application period and the resolution or plan for resolution of the problems;

e. An explanation of any corrective action taken or proposed;

f. A complete review of the status of Change Orders, including a review of any changes in the critical path for the Project Schedule which result from Change Orders approved by Owner during the month, as well as a review of the schedule impact of Change Order requests then pending;

g. A summary of any claims anticipated by the Contractor with respect to the Work, including the anticipated cost and schedule impacts of any such claims;

h. A cumulative summary of the number of days of, and the extent to which the progress of the Work was delayed by, any of the causes for which Contractor could be entitled to an extensions of the Contract Time; and

i. An updated material purchase log.

6. Further, the Design Professional will not recommend for payment by the Owner an Application for Payment without satisfactory documentation of material and services purchases scheduled to have been issued during the period of time covered by the Application for Payment. Copies of issued Purchase Orders and Contract (subcontracts) will be considered satisfactory documentation. Refer to Section 01315 – SCHEDULES, PHASING.

a. Entries will match current data of the Schedule of Values and Construction Schedule. Listing will include amounts of fully executed Change Orders per project approved by the Owner prior to the last day of the “period of work” covered by the Application for Payment. Incomplete Applications for Payment will be returned by the Owner without action.

b. For Contracts with a prescribed DBE or W/MBE goal or participation, the Contractor will submit via email to AppforPayment@TampaAirport.com with each Application for Payment the completed Commitment Form showing the detailed accounting for all DBE or W/MBE participation as applicable. Contractor will submit one (1) in electronic format.

This accounting will include:

- (1) the names and addresses of DBE or W/MBE firms that have participated on the Contract;
- (2) a description of the Work each named DBE or W/MBE firm has performed; and
- (3) the value of Work performed by each named DBE or W/MBE firm;
- (4) addition or replacement of approved DBE or W/MBE firms;

- (5) at 50% completion – a plan of action properly reflecting anticipated DBE or W/MBE achievement of commitment; and

7. The Contractor will submit with each Application for Payment a detailed accounting of the value of Work performed to date by their Subcontractors. Submission detail will be organized identifying the supporting information.

This accounting will include:

 - a. the names and addresses of their Subcontractors that have participated on the Contract;
 - b. a description of the Work each of their Subcontractors has performed;
 - c. the value of Work performed by each of their Subcontractors;
 - d. fully signed Subcontractor agreements;
 - e. copies of statutory Waivers of Right to Claim against the Payment Bond given by each subcontractor, supplier, and sub – contractor and supplier for sub-contractor for the period up to the date of the Application for Payment; and
 - f. equipment purchased for and paid by the Owner must be identified when invoiced so that an asset tag can be attached to that equipment. A detail listing in Excel format must be submitted with the invoice when equipment is purchased. Final accounting for all assets will be performed at the completion of the project. Any assets unaccounted for will be reimbursed to the Owner.

8. The Design Professional will not recommend for payment by the Owner an Application for Payment without the Contractor’s submission of the detailed DBE or W/MBE accounting.

9. The Design Professional will approve or disapprove the Contractor’s Application for Payment within seven days after the receipt thereof and, upon approval, promptly issue to the Owner an Application for Payment recommending payment to the Contractor. Upon receipt by the Owner of the approved Application for Payment, the Owner will make payment according to the Owner’s standard payment procedures following the month in which the Application for Payment was submitted. The Contractor agrees to pay each Subcontractor for satisfactory performance of its subcontract within 10 days after the Contractor’s receipt of payment from the Owner. The Contractor agrees further to release retainage payments to each Subcontractor within 10 days upon receipt from Owner and after the Subcontractor’s work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good

cause following written notice to the Owner. This clause applies to both DBE or W/MBE and non-DBE or W/MBE subcontractors.

10. Until 50% of the total Contract Sum has been expended, the Owner will pay to Contractor 90% of all Applications for Payment submitted by Contractor. The Applications for Payment will represent the actual value, based on the Contract amount, of the Work satisfactorily performed on the Schedule of Values, less the aggregate of all previous payments, and will reflect a retainage of 10% of the total amount payable for Work satisfactorily completed to date. Upon written request from the Contractor, retainage may be released to the Contractor, in the sole discretion of the Owner, for the Work or designated portions thereof upon reaching Substantial Completion, as defined in Section 9.07, Substantial Completion. Any amounts that are the subject of a good-faith dispute, the subject of a claim brought pursuant to F.S. § 255.05, or are otherwise the subject of a claim or demand, will not be released. Retainage will not be withheld on design and construction administration fees, if any. After 50% completion, the retainage withheld may be reduced to 5% from each subsequent application for payment.

The Contractor is required to pay all subcontractors for satisfactory performance of their contracts no later than 20 days after the Contractor has received a partial payment. The Contractor is required to fully pay retainage to the subcontractor within 20 days after the subcontractor's work is satisfactorily completed. A subcontractor's work is satisfactorily completed when (1) all the tasks called for in the subcontract have been accomplished and documented as required by the Owner, (2) the Work or a designated portion of the Work which the subcontractor worked on has reached Substantial Completion (incremental acceptance) and (3) no good-faith disputes or claims involving the subcontractor have manifested.

Notwithstanding the foregoing, at the Owner's sole option, when at least 95% of the Work has been completed, the Engineer shall, at the Owner's discretion and with the consent of the surety, prepare estimates of both the Contract value and the cost of the remaining Work to be done. Subject to Fla. Stat. Section 255.078 (if applicable), the Owner may retain an amount not less than twice the Contract value or estimated cost, whichever is greater, of the Work remaining to be done. Upon written request from the Contractor, the remainder (if any) may be released to the Contractor.

Notwithstanding the foregoing, at the Contractor's option, the Contractor may request that the Owner deposit the retainage into an escrow account. The Owner's deposit of retainage into an escrow account is subject to the following conditions:

- a. The Contractor shall bear all expenses of establishing and maintaining an escrow account and escrow agreement acceptable to the Owner.
- b. The Contractor shall deposit to and maintain in such escrow only those securities or bank certificates of deposit as are acceptable to the Owner and having a value not less than the retainage that would otherwise be withheld from partial payment.

- c. The Contractor shall enter into an escrow agreement satisfactory to the Owner.
 - d. The Contractor shall obtain the written consent of the surety to such agreement.
11. In addition, the Owner may withhold or suspend additional payments or portions thereof to such extent as may be necessary to protect itself from loss on account of:
- a. Work or execution thereof not performed or not in accordance with the Contract Documents.
 - b. The cost of the Work performed by the Owner, or contracted to others by the Owner, on behalf of the Contractor where said Work or the costs thereof are identified in the Contract Documents as the responsibility of the Contractor.
 - c. Whether items of Work remain to be corrected or completed following Substantial Completion or Final Acceptance.
 - d. Non-compliance with the Owner's DBE or W/MBE Policy or failure to meet the prescribed DBE goal or W/MBE expectancy set forth in this Contract, or to establish a good faith effort to do so.
 - (1) Failure of the Contractor to make a good faith effort to achieve DBE goal or W/MBE goal may be a material breach of this Contract. The determination of whether the Contractor's efforts were made in "good faith" will be made by the Owner.
 - (2) Unless otherwise provided in the Contract Documents, payment will only be for Work in place.
 - e. Other non-compliance with the Contract, Owner Policies or Procedures.
- B. The Owner will have the right to omit or order non-performance of a portion of the Work in the best interest of the Owner.
- 1. Should the Owner omit or order non-performance of a portion of the Work, the Contract Sum will be reduced accordingly. However, the Contractor will be paid for any such work actually completed and acceptable prior to the order to omit or non-perform.
 - 2. Should the Owner omit or order non-performance of a portion of the Work, acceptable materials ordered by the Contractor or delivered to the Work prior to the date of the Owner's order will be paid for at the actual cost to the Contractor and will become the property of the Owner.
 - 3. In addition to the reimbursement hereinbefore provided, the Contractor shall be reimbursed for all actual costs incurred for the purpose of performing the omitted Contract item prior to the date of the Owner's order. Such additional costs incurred by the Contractor must be directly related to the deleted Contract item and will be supported by certified statements by the Contractor as to the nature the amount of such costs.

- C. Payments may be made on account of non-perishable materials or equipment not incorporated in the Work but delivered and suitably stored at the site, upon the following conditions being met:
1. The Materials have been stored or stockpiled in a manner acceptable to the Owner and Design Professional.
 2. The Contractor has furnished the Design Professional with satisfactory evidence that the materials and transportation costs have been paid.
 3. The Contractor has furnished the Design Professional with acceptable evidence of the quantity and quality of such stored or stockpiled materials.
 4. The Contractor has furnished the Owner legal title (free of liens or encumbrances of any kind) to materials so stored or stockpiled.
 5. The Contractor has furnished to the Owner and Design Professional copies of paid invoices of all stored materials and all stored material listed in Excel format and as a hard copy and a stored material verification form. All supporting backup must be labeled with the Schedule of Values item number and calculation of item number listed on the Schedule of Values.
 6. Documentation that all material meets specification requirements.
 7. The Contractor will be responsible for all loss or damage of any type to such materials or equipment and will make suitable replacement or repair as necessary at the Contractor's own expense.
 8. The Contractor will be responsible for security with respect to all such stored materials and equipment.
 9. The Contractor has furnished the Owner evidence that the material so stored or stockpiled is insured against loss by damage to or disappearance of such materials at any time prior to use in the Work.
 10. Payments for material on hand for delivered material to be used in one item of Work must exceed \$3,000.00, and not scheduled to be incorporated into the work within sixty days after delivery.
 11. It is understood and agreed that the transfer of title and the Owner's payment for such stored or stockpiled materials will in no way relieve the Contractor of its responsibility for furnishing and placing such materials in accordance with the requirements of the Contract Documents.
 12. No partial payment will be made for stored or stockpiled living or perishable plant materials.
 13. The Contractor will bear all costs associated with the partial payment of stored or stockpiled materials in accordance with the provisions of this subsection.
 14. In no case will the amount of payments for materials on hand exceed the Contract Price for such materials or the Contract Price for the Contract Item in which the material is intended to be used.

- D. The Contractor warrants that title to all work covered by an Application for Payment will pass to the Owner upon receipt of payment by the Contractor. The Contractor further warrants that upon submittal of an Application for Payment, all work for which certificates for payment have been previously issued and payments received from the Owner will, to the best of the Contractor's knowledge, information and belief, be free and clear of liens, claims, security interests or encumbrances (hereinafter referred to in this Part as liens) in favor of the Contractor, Subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided labor, materials or equipment relating to the Work.

9.04 CERTIFICATES FOR PAYMENT

- A. The Design Professional will, within seven days after receipt of the Contractor's Application for Payment, either issue to the Owner a Certificate for Payment, with a copy to the Contractor, for such amount as the Design Professional determines is properly due, or notify the Contractor and Owner in writing of the Design Professional's reasons for withholding certification in whole or in part as provided in Subparagraph 9.05 A.
- B. The issuance of a Certificate for Payment will constitute a representation by the Design Professional to the Owner, based on the Design Professional's observations at the site and review of the data comprising the Application for Payment, that the Work has progressed to the point indicated and that, to the best of the Design Professional's knowledge, information and belief, the quality of the Work is in accordance with the Contract Documents. The foregoing representations are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to minor deviations from the Contract Documents correctable prior to completion and to specific qualifications expressed by the Design Professional. The issuance of a Certificate for Payment will further constitute a representation that the Contractor is entitled to payment in the amount certified. However, the issuance of a Certificate for Payment will not be a representation that the Design Professional has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the work, (2) reviewed construction means, methods, techniques, sequences or procedures, or (3) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.
- C. In taking action on the Contractor's Applications for Payment, the Design Professional will be entitled to rely on the accuracy and completeness of the information furnished by the Contractor and will not be deemed to represent that the Design Professional has made a detailed examination, audit or arithmetic verification of the documentation submitted in accordance with Subparagraph 9.04 B. or other supporting data, that the Design Professional has made exhaustive or continuous on-site inspection or that the Design Professional has made examinations to ascertain how or for what purposes the Contractor has used amounts previously paid on account of the Contract. Such examinations, audits and verifications, if required by the Owner will be performed by the Owner, acting in the sole interest of the Owner.

9.05 DECISIONS TO WITHHOLD CERTIFICATION

- A. The Design Professional may decide not to certify the Application for Payment and may withhold a Certificate for Payment in whole or in part, to the extent reasonably

necessary to protect the Owner, if in the Design Professional's opinion the representations to the Owner required by Subparagraph 9.04 B. cannot be made. If the Design Professional is unable to certify payment in the amount of the Application for Payment, the Design Professional will notify the Contractor and Owner as provided in Subparagraph 9.04 A. If the Contractor and Design Professional cannot agree on a revised amount, the Design Professional will promptly issue an Application for Payment for the amount for which the Design Professional is able to make such representations to the Owner. The Design Professional may also decide not to certify payment, or because of subsequently discovered evidence or subsequent observations may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Design Professional's opinion to protect the Owner from loss because of:

1. defective Work not remedied;
2. third party claims filed or reasonable evidence indicating probable filing of such claims;
3. failure of the Contractor to make payment properly to Subcontractors or for labor, materials or equipment;
4. reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
5. damage to the Owner or another Contractor;
6. reasonable evidence that the Work will not be completed within the Contract Time and that the unpaid balance would not be adequate to complete the Work and to cover actual or liquidated damages for the anticipated delay;
7. persistent failure to carry out the Work in accordance with the Contract Documents; and/or
8. failure of the Contractor to provide satisfactory documentation of material and services purchased in accordance with the Construction Schedule.
9. other failure of the Contractor to comply with the Contract, Owner Policies or Procedures.

- B. When the above reasons for withholding certification are removed, certification will be made for amounts previously withheld.

9.06 PROGRESS PAYMENTS

- A. After the Design Professional has certified the Application for Payment, the Owner will endeavor to make payment according to the Owner's standard payment procedures. If deficiencies are found, a standard deficiency e-mail will be sent to the Contractor to resolve within 24 hours. If the deficiency is not resolved within that time, the Application will be returned.

- B. Prompt Payment Clause. The Contractor agrees to pay each subcontractor under the Contract for satisfactory performance of its contract no later than 10 days from the receipt of each payment the Contractor receives from the Owner. The Contractor agrees further to release retainage payments to each subcontractor upon receipt from Owner and within 10 days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above-referenced time frame may occur only for good cause following written notice to the Owner. This clause applies to both D/W/MBE and non-D/W/MBE subcontractors.
- C. Neither the Owner nor the Design Professional will have an obligation to pay or to see to the payment of money to a Subcontractor, Sub-Subcontractor or material supplier.
- D. The payment of any Application for Payment prior to Final Acceptance of the Work by the Owner will in no way constitute an acknowledgement of the acceptance of the Work, or in any way prejudice or affect the obligation of the Contractor to repair, correct, renew, or replace, at the Contractor's expense, any defects, imperfections or design errors or omission in the design, construction, or in the strength or quality of the equipment or materials used in or about the construction of the Work under Contract and its appurtenances, or any damage due or attributed to such defects, which defect, imperfection, or damage will have been discovered on or before the Final Acceptance of the Work. The Contractor will be liable to the Owner for failure to correct same as provided herein.
- E. An Application for Payment, a certified progress payment, or partial or entire use or occupancy of the Project by the Owner will not constitute acceptance of Work not in accordance with the Contract Documents.
- F. The Owner may deduct from the balance due the Contractor under the provisions of the Contract Documents any liquidated damages which may have accrued.
- G. Provision for assessment of liquidated damages for delay will in no manner affect the Owner's right to terminate the Contract as provided in Part 13, TERMINATION OR SUSPENSION OF THE CONTRACT or elsewhere in the Contract Documents. The Owner's exercise of the right to terminate will not release the Contractor from its obligation to pay said liquidated damages in the amounts set out in the Contract.

9.07 SUBSTANTIAL COMPLETION

- A. Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work for its intended use.
- B. When the Contractor considers that the whole Work, or a portion thereof designated in the Contract Documents for separate completion, is substantially complete and the premises comply with Paragraph 3.13 A., the Contractor will submit to the Design Professional: (1) the permits and certificates referred to in Paragraph 12.05 D., and (2) the Contractor's request for inspection by the Owner and Design Professional.
 - 1. The Owner and Design Professional will then make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the inspection discloses any item which is not in accordance with the requirements

of the Contract Documents, the Design Professional will then prepare and submit to the Contractor a comprehensive list of items to be completed and/or corrected. The Contractor will proceed promptly to complete and correct items on the list before issuance of the Certificate of Substantial Completion by the Owner. The Contractor will then submit a request for another inspection to determine Substantial Completion. Repeat inspections will be performed prior to issuance of the Certificate of Substantial Completion by the Owner.

2. All Work items or Contract requirements which remain incomplete/unsatisfied at the Date of Substantial Completion will become part of the Final Acceptance punch list. For projects with a value under \$10 million, within 30 days after Substantial Completion, the Owner will develop the Final Acceptance punch list and will provide it to the Contractor within five days after its completion. The Contractor will be allowed a minimum of 30 days after delivery of the Final Acceptance punch list to complete the items listed on the Final Acceptance punch list. However, for projects with a value over \$10 million, within 60 days after Substantial Completion, the Owner will develop the Final Acceptance punch list and will provide it to the Contractor within five days after its completion. The Contractor will be allowed a minimum of 30 days after delivery of the Final Acceptance punch list to complete the items listed on the Final Acceptance punch list.
 3. When the Work or designated portion thereof is substantially complete, the Owner will prepare a Certificate of Substantial Completion which will establish: the date of Substantial Completion; responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work; and insurance. All Warranties required by the Contract Documents will commence on the date of Substantial Completion. The Certificate of Substantial Completion will be submitted to the Design Professional and Contractor for their written acceptance of responsibilities assigned to them in such Certificate.
- C. Upon Substantial Completion of the whole Work and upon application by the Contractor and certification by the Design Professional, the Owner will make payment, reflecting adjustment in retainage, if any, for such Work as provided in the Contract Documents.
 - D. After Substantial Completion of the whole Work, the Design Professional may, at the Design Professional's discretion and with the consent of the Contractor's Surety, approve an Application for Payment from which will be retained an amount not less than 1.5 times the Contract value or 1.5 times the estimated cost, whichever is greater, of the Work remaining to be done. Remaining retainage will be released with Final Payment after Final Acceptance of the whole Work.
 - E. After Substantial Completion, closeout documents as required in Section 01700, Project Closeout, can be submitted to the Owner. The Owner will provide a detailed list of the closeout documents required after receipt and acceptance of the Final Acceptance punch list.

9.08 PARTIAL OCCUPANCY OR USE

- A. The Owner or separate contractors may occupy or use any completed or partially completed portion of the Work at any stage. Such partial occupancy or use may commence whether or not the portion is substantially complete. When the Contractor considers a portion substantially complete, the Contractor will prepare and submit a list to the Design Professional as provided under Subparagraph 9.07 B.
- B. Immediately prior to such partial occupancy or use, the Owner, Contractor and Design Professional will jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.
- C. Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work will not constitute acceptance of the Work not complying with the requirements of the Contract Documents.

9.09 FINAL COMPLETION AND FINAL PAYMENT

- A. Upon receipt of written notice that inspection of the whole Work is ready for Final Acceptance, the Owner and Design Professional will promptly make such inspection and, when the Owner and Design Professional finds the Work acceptable under the Contract Documents and the Contract fully performed, the Owner will promptly issue a Certificate of Final Acceptance stating that to the best of the Owner's and Design Professional's knowledge, information and belief, and on the basis of the Owner's and Design Professional's observations and inspections, the Work has been completed in accordance with terms and conditions of the Contract Documents. The Design Professional's Certification of the Final Application for Payment will constitute a further representation that conditions listed in Paragraph 9.09 B. as precedent to the Contractor's being entitled to Final Application for Payment have been fulfilled. In the Final Certificate for Payment, the Design Professional will state the date on which the whole Work was fully complete and acceptable, which date will be the date of Final Acceptance.
- B. Neither final payment nor any remaining retained percentage will become due until the Contractor submits to the Design Professional (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect and will not be cancelled or allowed to expire until at least 30 days' prior written notice has been given to the Owner, (3) a written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, (5) all final certified payrolls, and (6) if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts, releases and waivers of liens, claims, security interests or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If the Contractor fails to furnish such releases or waivers as the Owner reasonably requires satisfying the Owner that there are no outstanding liens, the Owner may require the Contractor, at the Contractor's expense, to furnish a bond satisfactory to the Owner to indemnify the Owner against such liens. If such lien remains unsatisfied after payments are made, the Contractor will refund to the Owner all money that the Owner may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees. Upon

satisfactory final acceptance of all Work required by the Contract Documents, receipt of notice of final acceptance from the Design Professional and compliance with project closeout of Section 01700 – PROJECT CLOSEOUT, the Contractor will make Application for Final Payment in the same format as progress payments.

- C. Acceptance of final payment by the Contractor, a Subcontractor or material supplier will constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of Final Application for Payment. Such waivers will be in addition to the waiver described in Subparagraph 4.03 D.
- D. All closeout documentation shall be furnished at least seven days before submission of Application for Final Payment.

PART 10 – PROTECTION OF PERSONS AND PROPERTY

10.01 SAFETY PRECAUTIONS AND PROGRAMS

The Contractor will be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract.

10.02 SAFETY OF PERSONS AND PROPERTY

- A. The Contractor will take reasonable precautions for safety of, and will provide reasonable protection to prevent damage, injury or loss to;
 - 1. employees performing Work and other persons who may be affected thereby;
 - 2. the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, or under care, custody or control of the Contractor or the Contractor's Subcontractors or Sub-Subcontractors;
 - 3. other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction; and
 - 4. any other property of the Owner, or construction by separate contractors.
- B. The Contractor will give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.
- C. The Contractor will erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying Owners and users of adjacent sites and utilities.
- D. When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor will exercise utmost care and carry on such activities under supervision of properly qualified personnel.
- E. The Contractor will promptly remedy damage and loss to property referred to in Paragraphs 10.02 A.2. and 10.02 A.3. caused in whole or in part by the Contractor, a

Subcontractor, a Sub-Subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable, except damage or loss solely attributable to acts or omissions of the Owner or Design Professional or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Paragraph 3.18.

- F. The Contractor will designate a competent person of the Contractor's organization at the site whose duty will be the prevention of accidents. This person will be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and Design Professional.
- G. The Contractor will not load or permit any part of the construction or site to be loaded so as to endanger its safety.
- H. The Contractor will comply with the provisions of the Occupational Safety and Health Act of 1970, 84 Stat. 1190, 29 U.S.C. 611 et seq. (as amended), and applicable regulations and requirements under said Act. The Contractor will maintain an accurate record of all accidents causing death, traumatic injury, occupational disease, or damage to property, materials, supplies and equipment incidental to Work performed under this Contract.
- I. The Contractor will be responsible for the preservation of all public and private property and will protect carefully from disturbance or damage all land monuments and property markers until the Design Professional has witnessed or otherwise referenced their location and will not move them until directed.
- J. The Contractor will be responsible for all damage or injury to property of any character during the prosecution of the Work resulting from any act, omission, neglect, or misconduct in the Contractor's manner or method of executing the Work, or at any time due to defective Work or materials, and said responsibility will not be released until the Project will have been completed and accepted.
- K. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the Work, or in consequence of the non-execution thereof, by the Contractor, Contractor will restore, such property, at the Contractor's own expense, to a condition similar or equal to that existing before such damage or injury was done, by repairing, or otherwise restoring, as may be directed, or Contractor will make good such damage or injury in an acceptable manner.
- L. Work that is to remain in place which is damaged or defaced by reason of Work performed under this Contract will be restored at no additional cost to the Owner.
- M. Until the Design Professional's Final Written Acceptance of the whole Work, excepting only those portions of the Work accepted in accordance with Paragraph 9.07 B. herein, the Contractor will have the charge and care thereof and will take every precaution against injury or damage to any part due to the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the Work. The Contractor will rebuild, repair, restore, and make good all injuries or damages to any portion of the Work occasioned by any of the above causes before Final Completion and will bear the expense thereof.

- N. If the Work is suspended for any cause whatsoever, the Contractor will be responsible for the Work during such suspension and will take such precautions necessary to prevent damage to the Work. The Contractor will provide for normal drainage and will erect necessary temporary structures, signs, or other facilities. If the Owner orders the suspension of the Work, additional compensation or extension of time may be claimed by the Contractor. During such period of suspension of Work, the Contractor will properly and continuously maintain in an acceptable growing condition all living material in newly established plantings, seedlings, and sod furnished under the Contract, and will take adequate precautions to protect new tree growth and other important vegetative growth against injury.
- O. The Contractor will be solely responsible for the means, methods, techniques, sequences, and procedures of construction. The Contractor will be responsible to the Owner for the acts and omissions of all Contractor's employees and Subcontractors, their agents and employees, and all other persons performing any of the Work under a contract with the Contractor.

10.03 EMERGENCIES

In an emergency affecting safety of persons or property, the Contractor will act, at the Contractor's discretion, to prevent threatened damage, injury or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency will be determined as provided in Paragraph 4.03 and Part 7, CHANGES IN THE WORK.

PART 11 – UNCOVERING AND CORRECTION OF WORK

11.01 UNCOVERING OF WORK

- A. If a portion of the Work is covered contrary to the Owner's/Design Professional's request or to requirements specifically expressed in the Contract Documents, it must, if required in writing by the Owner/Design Professional, be uncovered for the Owner's/Design Professional's observation and be replaced at the Contractor's expense without change in the Contract Time.
- B. If a portion of the Work has been covered which the Design Professional has not specifically requested to observe prior to its being covered, the Owner/Design Professional may request to see such Work and it will be uncovered by the Contractor. If such work is in accordance with the Contract Documents, costs of uncovering and replacement will, by appropriate Change Order, be charged to the Owner. If such Work is not in accordance with the Contract Documents, the Contractor will pay such costs unless the condition was caused by the Owner or a separate contractor in which event the Owner will be responsible for payment of such costs.

11.02 CORRECTION OF WORK

- A. The Contractor will promptly correct Work rejected by the Owner/Design Professional for failing to conform to the requirements of the Contract Documents, whether observed before or after Substantial Completion and whether or not fabricated, installed or completed. The Contractor will bear costs of correcting such rejected Work, including additional testing and inspections and compensation for the Design Professional's services and expenses made necessary thereby.

- B. If, within one year after the Date of Substantial Completion of the whole Work or within such longer period of time as may be prescribed by law or by the terms of any applicable special warranty required by the Contract Documents, any of the Work is found to be defective or not in accordance with the Contract Documents, the Contractor will correct it promptly after receipt of a written notice from the Owner to do so. This obligation will survive termination of the Contract. The Owner will give such notice promptly after discovery of the condition.
- C. The Contractor will remove from the site portions of the Work which are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.
- D. If the Contractor fails to correct non-conforming work within a reasonable time, the Owner may correct it in accordance with Paragraph 2.04. If the Contractor does not proceed with correction of such non-conforming work within a reasonable time fixed by written notice from the Owner or Design Professional, the Owner may remove it and store the salvageable materials or equipment at the Contractor's expense. If the Contractor does not pay costs of such removal and storage within ten days after written notice, the Owner may, upon ten additional days' written notice, sell such materials and equipment at auction or at private sale and will account for the proceeds thereof, after deducting costs and damages that should have been borne by the Contractor, including compensation for the Owner's or Design Professional's services and expenses made necessary thereby. If such proceeds of sale do not cover costs which the Contractor should have borne, the Contract Sum will be reduced by the deficiency. If payments then or thereafter due the Contractor are not sufficient to cover such amount, the Contractor will pay the difference to the Owner.
- E. The Contractor will bear the cost of correcting destroyed or damaged construction, whether completed or partially completed, of the Owner or separate Contractors caused by the contractor's correction or removal of Work which is not in accordance with the requirements of the Contract Documents.
- F. Nothing contained in Paragraph 11.02 will be construed to establish a period of limitation with respect to other obligations which the Contractor might have under the Contract Documents. Establishment of the time period of one year as described in Subparagraph 11.02 B relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.
- G. Upon completion of the whole Work, the Owner and the Design Professional will expeditiously make final inspection in accordance with Section 01700 – PROJECT CLOSEOUT, and will notify the Contractor of Final Acceptance. Such Final Acceptance, however, will not preclude or stop the Owner from correcting any measurement, estimate, or certificate made before or after completion of the whole Work, nor will the Owner be precluded or stopped from recovering from the Contractor or Contractor's Surety, or both, such overpayment as may be sustained, by failure on the part of the Contractor to fulfill Contractor's obligations under the Contract. A waiver on the part of the Owner of any breach of any part of the Contract will not be held to be a waiver of any other or subsequent breach.

- H. The Contractor, without prejudice to the terms of the Contract, will be liable to the Owner for latent defects, fraud, or such gross mistakes as may amount to fraud, or as regards to the Owner's rights under any warranty or guaranty.

11.03 ACCEPTANCE OF NON-CONFORMING WORK

If the Owner prefers to accept Work which is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate as determined by the Owner in its reasonable discretion. Such adjustment will be effected whether or not Final Payment has been made.

PART 12 – MISCELLANEOUS PROVISIONS

12.01 GOVERNING LAW

The Contract will be governed by the law of the State of Florida. Venue for any action, arising from or related to the Contract, will be in the Florida State Circuit Court in and for the 13th Circuit, Hillsborough County, such court having sole and exclusive jurisdiction. Confidential mediation with a mediator selected by the Owner shall be a condition precedent to litigation.

12.02 SUCCESSORS AND ASSIGNS

- A. The Owner and Contractor respectively bind themselves, their partners, successors, assigns and legal representatives to the other party hereto and to partners, successors, assigns and legal representatives of such other party in respect to covenants, contracts and obligations contained in the Contract Documents. Except as hereinafter provided, the Contractor will not assign or sublet this Contract in whole or in part without the written consent of the Owner, nor will the Contractor assign any monies due or to become due to Contractor hereunder without the previous written consent of the Owner. If the Contractor attempts to make such assignment without such consent, the Contractor will nevertheless remain legally responsible for all obligations under the Contract.
- B. The Owner reserves the right to transfer its interests herein to any other governmental body created or authorized by law to operate the Airport.

12.03 WRITTEN NOTICE

Written notice will be deemed to have been duly served if delivered in person to the individual or a member of the firm or entity or to an officer of the corporation for which it was intended, on the date of delivery, or if delivered at or sent by registered or certified mail to the last business address known to the party giving notice on the date of mailing.

12.04 RIGHTS AND REMEDIES

- A. Except as otherwise provided in the Contract Documents, duties and obligations imposed by the Contract Documents and rights and remedies available thereunder will be in addition to and not a limitation of duties, obligations, rights and remedies otherwise imposed or available by law.
- B. No action or failure to act by the Owner or Design Professional will constitute a waiver of a right or duty afforded them under the Contract, nor will such action or failure to act

constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed in writing.

- C. Continued performance by the Owner as to the terms of this Contract after default by the Contractor will not be deemed a waiver by the Owner of the right to cancel for any subsequent default. Inspections, measurements or certificates issued by the Owner, payments of money, acceptance of any Work, grants of any extension of time, or any other action taken by the Owner will not operate as a waiver of any provisions of the Contract or any power therein reserved to the Owner of any rights to damages therein provided. Any waiver of any breach of Contract will not be held to be a waiver of any other or subsequent breach.
- D. To the maximum extent permitted by applicable law, Contractor agrees it will not seek equitable adjustment of the terms of this Contract and that its remedies are limited to those specified herein.

12.05 TESTS AND INSPECTIONS

- A. Tests, inspections and approvals of portions of the Work required by the Contract Documents or by laws, ordinances, rules, regulations or orders of public authorities having jurisdiction will be made at an appropriate time. The Contractor will give the Owner and Design Professional timely notice of its readiness so the Design Professional may observe such inspections, tests or approvals conducted by the Contractor or public authorities other than the Owner. (Refer to Section 01410 – Testing Laboratory Services).
- B. If the Owner, Design Professional, or other public authorities having jurisdiction determine that portions of the Work require additional testing, inspection or approval not included under Subparagraph 12.05 A., the Design Professional will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection or approval and the Contractor will give timely notice to the Owner and Design Professional of when and where such tests, inspections or approvals are to be made so the Design Professional may observe such procedures. The Owner will bear such costs except as provided in Subparagraph 12.05 C.
- C. If such procedures for testing, inspection or approval under Subparagraphs 12.05 A. and 12.05 B. reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, the Contractor will bear all costs made necessary by such failure including those of repeated procedures and compensation for the Design Professional's services and expenses.
- D. The Contractor will secure and promptly deliver to the Owner or Design Professional any required certificates of testing, inspection or approval, any occupancy permits, any certificates of final inspection of any part of the Contractor's Work and any operating permits for any mechanical apparatus, such as elevators, boilers, air compressors, etc., which may be required by law to permit full use and occupancy of the premises by the Owner. Receipt of such permits or certificates by the Owner or Design Professional will be a condition precedent to Substantial Completion of the Work or designated portion thereof.
- E. Tests or inspections conducted pursuant to the Contract Documents will be made promptly to avoid unreasonable delay in the Work.

- F. Notwithstanding any dispute which may arise out of the Work, the Contractor will carry on the work and maintain effective progress to complete same within the Contract Time(s) set forth in the Contract Documents.

12.06 E-VERIFY REQUIREMENTS

The Contractor agrees to comply with the State of Florida, Office of the Governor, Executive Order Number 11-116 (Verification of Employment Status), which states that all agencies under the direction of the Governor are to include, as a condition of all state contracts for the provision of goods or services to the state in excess of nominal value, an express requirement that contractors utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the contractor during the contract term, and an express requirement that contractors include in such subcontracts the requirement that subcontractors performing work or providing services pursuant to the state contract utilize the E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term. Any projects with Florida Department of Transportation (FDOT) funding will contain this assurance as a condition for any new Joint Participation Agreements dated after January 4, 2011. The Contractor will verify all of their new employees and will require that their subcontractors verify all of their new employees in accordance with the E-verify requirements set out above.

12.07 LOBBYING AND INFLUENCING FEDERAL EMPLOYEES - 49 CFR part 20, Appendix A

The Contractor certifies by signing and submitting its bid and this Contract, to the best of his or her knowledge and belief, that:

- A. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- B. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor or offeror must place the language of this certification in all contracts, purchase orders and other documents binding contractors, subcontractors and suppliers and require that all contractors, subcontractors and suppliers execute such certification and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

PART 13 – TERMINATION OR SUSPENSION OF THE CONTRACT

13.01 TERMINATION BY THE OWNER FOR CAUSE

- A. Owner may terminate this Contract for cause if the Contractor:
1. Fails to commence the Work within the time specified, fails to maintain adequate progress toward completion of the Work, discontinues the prosecution of the Work, abandons the prosecution of the Work, or fails to resume Work which has been discontinued within a reasonable time after notice to do so; or
 2. Fails to perform the Work, fails to provide a sufficient number of adequately skilled workers or supervisory staff who actively staff the Project and prosecute the Work, or fails to have available at the site proper equipment or materials to assure completion of the Work in accordance with the terms of the Contract Documents; or
 3. Performs the Work unsuitably, or neglects or refuses to remove materials or to perform anew such Work as may be rejected by Owner as unacceptable or unsuitable; or
 4. Fails to comply with Contract requirements regarding minimum wage payments, EEO, W/MBE or DBE requirements; or
 5. Disregards laws, ordinances, rules, regulations or orders of any public authority having jurisdiction; or
 6. Allows any final judgment against it to remain unsatisfied for a period of 30 days; or
 7. Becomes insolvent, is declared bankrupt, files for reorganization under the bankruptcy code or commits any act of bankruptcy or insolvency, either voluntarily or involuntarily; or
 8. Makes an assignment for the benefit of creditors or attempts to assign its rights or obligations under this Contract or any part thereof to any third-party without the prior written consent of the Owner; or
 9. Consents to or is the subject of any order or decree of any court or governmental authority or agency having jurisdiction appointing a receiver, trustee, or liquidator to take possession or control of all or substantially all of the Contractor's property for the benefit of creditors; or

10. Materially breaches any provision in this Contract; or
 11. If at any time the Surety executing the bonds is determined by the Owner to be unacceptable and the Contractor fails to furnish an acceptable substitute Surety within ten days after notice from the Owner or;
 12. Fails or refuses to perform any other obligation under this Contract, or fails to remedy such nonperformance within seven (7) days after notice of the occurrence by the Owner; or
 13. Fails to achieve the required dates of Substantial and/or Final Completion.
- B. When any of the above reasons exist, the Owner may, without prejudice to any other rights or remedies available, give notice, in writing, to the Contractor and the Contractor's Surety. If the Contractor within a period of ten days after receiving such notice has not commenced in good faith to cure such cause or breach, or if having commenced such cure is not proceeding diligently to complete the cure, the Owner will have full power and authority, without violating this Contract, to immediately take the prosecution of the Work out of the hands of the Contractor, may declare the Contractor in default, and may terminate, in whole or in part, this Contract.
1. Upon termination of this Contract, the Owner may, subject to any prior rights of the Contractor's Surety:
 - a. Take possession of the site and of all materials, equipment, tools, electronic drawings, including but not limited to BIM models, shop drawings and machinery thereon owned by the Contractor; and
 - b. Finish the Work by whatever method the Owner may deem expedient and necessary.
- C. When the Owner terminates this Contract for cause, the Owner will be entitled to hold all amounts due the Contractor at the date of termination until completion of the Work and final evaluation of the Owner's damages associated with the termination. The Contractor will be liable to the Owner for costs and expenses incurred by the Owner in completing the Work, and also for losses, damages, costs and expenses including, but not limited to, direct, indirect and consequential damages. If such costs and expenses exceed the sum that would have been payable under this Contract, then the Contractor and the Surety will be liable and will pay to the Owner the amount of such excess. If the unpaid balance of the Contract Sum exceeds the cost of finishing the Work, including any and all additional costs and expenses to the Owner, such excess, to the extent earned, will be paid to the Contractor and/or Contractor's Surety.
- D. Upon termination of this Contract, the Owner has no liability for anticipated profits for unfinished Work.
- E. Termination of this Contract, or any portion thereof, will not relieve the Contractor or the Contractor's Surety of their liability for past and future damages, losses or claims on Work performed or on account of any act, omission, or breach by the Contractor.

Liability for liquidated damages, if any, will continue to accrue as set forth in the Contract Documents.

- F. The Owner's right to termination, as set forth herein, shall be in addition to and not a limitation of any and all other rights and remedies available to the Owner, at law, in equity or under the terms of this Contract. If the Owner improperly terminates this Contract for cause, this termination for cause will be converted to and deemed to be a termination for convenience in accordance with the provisions of Paragraph 13.03. In such case, Contractor shall only be entitled to those rights and remedies expressly stated in Paragraph 13.03 and in no event shall Contractor be entitled to any damages or remedies for wrongful termination.
- G. Termination of this Contract, or portion thereof, under this Article does not relieve the Contractor or the Contractor's Surety of its responsibilities for the completed portion of the Work or its obligation for and concerning any just claims arising out of the Work performed.

13.02 SUSPENSION BY THE OWNER FOR CONVENIENCE

The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work in whole or in part for such period of time as the Owner may determine. If the whole Work is suspended, all days elapsing due to causes not the fault of the Contractor between the effective dates of the Owner's order to suspend and subsequent order to resume the Work will be excluded from the Contract Time.

13.03 TERMINATION FOR CONVENIENCE OF OWNER

- A. Notwithstanding anything else in this Contract, the Owner may terminate performance of the Work under this Contract in whole or in part if the Owner determines that a termination is in the Owner's best interest or its sole and absolute discretion. The Owner will terminate by delivery to the Contractor a Notice of Termination specifying the extent of termination and the effective date.
- B. After receipt of a Notice of Termination, and except as directed by the Owner, the Contractor will immediately proceed with the following obligations, regardless of any delay in determining or adjusting any amounts due under this Paragraph:
 - 1. Complete Work not terminated and stop Work as specified in the Notice of Termination.
 - 2. Place no further subcontracts or orders (referred to as subcontracts in this paragraph) for materials, services, or facilities, except as necessary to complete the continued portion of the Contract.
 - 3. Terminate all subcontracts to the extent they related to the Work terminated.
 - 4. Assign to the Owner, as directed, all rights, title, and interest of the Contractor under the subcontract terminated, in which case the Owner will have the right to settle or to pay any termination settlement proposal arising out of those terminations.

5. With approval or ratification to the extent required by the Owner, settle all outstanding liabilities and termination settlement proposals arising from the terminations of subcontracts (the approval or ratification will be final for purposes of this paragraph).
 6. As directed by the Owner, transfer title and deliver to the Owner (1) the fabricated or unfabricated parts, Work in progress, completed Work, supplies, and other material produced or acquired for the Work terminated, and (2) the completed or partially completed plans, drawings, information, and other property that, if the Contract had been completed, would be required to be furnished to the Owner.
 7. Complete performance of the Work not terminated. If it should become necessary to suspend Work for an indefinite period, the Contractor will store all materials in such a manner that they will not become an obstruction nor become damaged in any way. The Contractor will take every precaution to prevent damage or deterioration of the Work performed and provide for normal drainage of the Work. The Contractor will erect temporary structures where necessary to provide for traffic on, to, or from the Airport.
 8. Take any action that may be necessary, or that the Owner may direct, for the protection and preservation of the property related to this Contract that is in the possession of the Contractor and in which the Owner has or may acquire an interest.
 9. Use its best effort to sell, as directed or authorized by the Owner, any property of the types referred to in Subparagraph 13.03 B.6. above; provided, however, that the Contractor (1) is not required to extend credit to any purchaser and (2) may acquire the property under the conditions prescribed by, and at process approved by, the Owner. The proceeds of any transfer or disposition will be applied to reduce any payments to be made by the Owner under this Contract, credited to the price or cost of the Work, or paid in any manner directed by the Owner.
- C. The Contractor may submit to the Owner a list, certified as to quantity and quality, of termination inventory not previously disposed of, excluding items authorized for disposition by the Owner. Within 30 days, the Owner will accept title of those items and remove them or enter into a storage contract. The Owner may verify the list upon removal of the items or, if stored, within 45 days from submission of the list, and will correct the list, as necessary, before final settlement.
- D. After termination, the Contractor will submit a final termination settlement proposal to the Owner in the form and with the certification prescribed by the Owner. The Contractor will submit the proposal promptly, but no later than 60 days from the effective date of termination, unless extended in writing by the Owner upon written request of the Contractor. If the Contractor fails to submit the proposal within the time allowed, the Owner may determine, on the basis of information available, the amount, if any, due the Contractor because of the termination and will pay the amount determined. No further compensation will be considered if the Contractor fails to meet the submittal requirements.
1. Subject to Paragraph 13.03 D. above, the Contractor and the Owner may agree upon the whole or any part of the amount to be paid because of the

termination. The amount may include a reasonable allowance for profit of Work done. However, the agreed amount may not exceed the total Contract sum as reduced by (1) the amount of payments previously made and (2) the Contract Sum of Work not terminated. The Contract will be amended and the Contractor paid the agreed amount. Paragraph 13.03 F. below will not limit, restrict, or affect the amount that may be agreed upon to be paid under this Paragraph.

- E. If the Contractor and the Owner fail to agree on the whole amount to be paid the Contractor because of termination of the Work, the Owner will pay the Contractor the amounts determined as follows, but without duplication of any amounts agreed upon under Paragraph 13.03 D.1. above:
1. For Contract Work performed before the effective date of termination, the total (without duplication of any items) of:
 - a. The cost of this Work;
 - b. The cost of settling and paying termination settlement proposals under terminated subcontracts that are properly chargeable to the termination portion of the Contract if not included in subdivision a. above; and
 - c. A sum, as profit on a. above, which will not exceed 5%. If it appears, however, that the Contractor would have sustained a loss on the entire Contract had it been completed, the Owner will allow no profit under this subparagraph c. and will reduce the settlement to reflect the indicated rate of loss.
 - d. When the Contract, or any portion thereof, is terminated before completion of all items of Work in the Contract, payment will be made for the actual number of units of Work completed at the Bid Unit Price or as mutually agreed for items of Work partially completed. No claims or loss of anticipated profits will be considered for items of Work completed at the Bid Unit Prices.
 2. The reasonable costs of settlement of the Work terminated, including:
 - a. Reasonable accounting, clerical, and other expenses necessary only for the preparation of termination settlement proposals and support data;
 - b. The termination and settlement of subcontracts (excluding the amounts of such settlements);
 - c. Storage, transportation, and other costs incurred, reasonably necessary for the preservation, protection, or disposition of the termination inventory; and
 - d. Reimbursement for organization of the Work and other overhead expenses (when not otherwise included in the Contract), and moving equipment and materials to and from the site will be considered..
- F. Except for normal spoilage, and except to the extent that the Owner expressly assumed the risk of loss, the Owner will exclude from the amounts payable to the Contractor under Paragraph 13.03 E. above, the fair value, as determined by the Owner, of

property that is destroyed, lost, stolen, or damaged so as to become undeliverable to the Owner or to the buyer.

- G. In arriving at the amount due the Contractor under this paragraph, there will be deducted:
1. All unliquidated advance or other payments to the Contractor under the terminated portion of the Contract;
 2. Any claim which the Owner has against the Contractor under this Contract;
 3. The agreed price for, or the proceeds of sale of, materials, supplies, or other things acquired by the Contractor or sold under the provisions of this paragraph and not recovered by or credited to the Owner; and
 4. Contractor expressly waives any claim for loss of anticipated profit, overhead of any kind, including home office and jobsite overhead, or other indirect impacts.
- H. Unless otherwise provided in this Contract or by statute, the Contractor will maintain all records and documents (including but not limited to subcontracts, subcontractor change orders, purchase orders, bid tabulations, proposals, and all other documents associated with the project) relating to the termination portion of this Contract for seven years after final settlement. This includes all books and other evidence bearing on the Contractor's costs and expenses under this Contract. The Contractor will make these records and documents available to the Owner, at the Contractor's office, at all reasonable times, without any direct charge. If approved by the Owner, photographs, microphotographs, electronic media or other authentic reproductions may be maintained instead of original records and documents.

PART 14 – AUDIT REQUIREMENTS

14.01 PAYMENTS

In connection with payments to the Contractor under this Contract, it is agreed the Contractor will maintain full, accurate and detailed books of account and records customarily used in this type of business operation in accordance with generally accepted accounting principles. The Owner, FAA, Federal Highway Administration, Florida Department of Transportation and the Comptroller General of the United States, or any duly authorized representative of each, may have the right to audit the Contractor's records for the purpose of making audits, examinations, excerpts, and/or transcriptions and to determine payment eligibility under this Contract and compliance with this Contract. The Owner also has the right to perform inspections or attestation engagements. Access will be to any and all of the Contractor's records, including books, documents, papers, accounting procedures and practices, and any other supporting evidence the Owner deems pertinent to this Contract, as well as records of parent, affiliate and subsidiary companies. The Contractor shall maintain such books and records for seven years after the end of the term of this Contract.

14.02 ACCESS TO RECORDS

If the records are kept at locations other than the Airport, Contractor will arrange for said records to be brought to a location convenient to Owner's auditors to conduct the engagement as set forth in this Article or Contractor may transport Owner's team to location of the records for purposes of undertaking said engagement. In such event, Contractor will pay reasonable costs of transportation, food and lodging for Owner's team.

14.03 RECORDS FORMAT

In the event the Contractor maintains its accounting or Project information in electronic format, upon request by the Owner's auditors, the Contractor will provide a download of its accounting or Project information in an electronic format allowing readership in Microsoft Office products or Adobe Acrobat software.

14.04 RECORDS DELIVERY

Contractor agrees to deliver or provide access to all records requested by Owner's auditors within 14 calendar days of the request at the initiation of the engagement and to deliver or provide access to subsequent requests during the engagement within 7 calendar days of each request. The parties recognize that the Owner will incur additional costs if records requested by Owner's auditors are not provided in a timely manner and that the amount of those costs is extremely difficult to determine with certainty. Consequently, the parties agree that Contractor may be assessed liquidated damages of \$100.00, in addition to other contractual financial requirements, for each item in a records request, per calendar day, for each time Contractor is late in submitting requested records to perform the engagement. Accrual of fees will continue until specific performance is accomplished. The parties expressly agree that these liquidated damages are not a penalty and represent reasonable estimates of fair compensation for the losses that reasonably may be anticipated from such failure to comply.

14.05 ENGAGEMENT

The Owner has the right during any engagement to interview the Contractor's employees, subcontractors, subconsultants, suppliers or any other persons associated with the Work or this Contract, to make photocopies, and to inspect any and all records upon request. The right to initiate an engagement, inspection or attestation engagement will extend during the Contract period and for six years after the completion date of the Work, or six years after the termination of this Contract, whichever occurs later.

14.06 RECORDS RETENTION

The Contractor will provide all information and reports requested by the Owner, or any of their duly authorized representatives, or directives issued pursuant thereto, and will permit access, for the purpose of performing an audit, examination, inspection, or attestation engagement, to the Contractor's books, records, accounts, documents, papers, or other sources of information, and its facilities as may be determined by the Owner to be pertinent to ascertain compliance with this Article. The Contractor will keep all Project accounts and records which fully disclose the amount of the Contractor's Bid. The accounts and records will be kept in accordance with an accounting system that will facilitate an effective audit in accordance with the Single Audit Act of 1984, as amended.

14.07 OVERCHARGE PROVISIONS

In the event the Contractor has overcharged the Owner, the Contractor will re-pay the Owner the amount of the overcharge, plus interest on the overcharge amount up to 12% per year from the date the overcharge occurred. In addition, if the Contractor has overcharged the Owner by more than 3% of the correct reimbursable amount, the Owner may assess and the Contractor will pay for the entire cost of the audit.

14.08 SUBCONTRACT AUDIT PROVISIONS

The Contractor will include in all subcontractor, subconsultant and supplier contracts a provision which provides the Owner the same rights to audit as provided in this Article.

14.09 OWNER'S RIGHT TO AUDIT

Approvals by Owner's staff for any services not included in this Contract do not act as a waiver or limitation of the Owner's right to audit.

PART 15 – CIVIL RIGHTS

15.01 GENERAL REQUIREMENT FOR CONTRACTS

Subject to the applicability criteria noted in the specific Contract provisions, these Contract provisions apply to all work performed on the Contract. Failure to comply with the terms of these Contract provisions may be sufficient grounds to:

1. Withhold progress payments or final payment,
2. Terminate the Contract,
3. Seek suspension/debarment, or
4. Any other action determined to be appropriate by the Owner or the FAA.

15.02 CIVIL RIGHTS – GENERAL - 49 USC § 47123

- A. The Contractor agrees that it will comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or handicap be excluded from participating in any activity conducted with or benefiting from Federal assistance.
- B. Duration:
 1. This provision binds the Contractor from the bid solicitation period through the completion of the Contract. This provision is in addition to that required of Title VI of the Civil Rights Act of 1964.
 2. This provision also obligates the Contractor or its transferee for the period during which Federal assistance is extended to the airport through the Airport Improvement Program, except where Federal assistance is to provide, or is in the form of personal property; real property or interest therein; structures or improvements thereon. In these cases the provision obligates the Contractor for the longer of the following periods:
 - i. The period during which the property is used by the Owner or any transferee for a purpose for which Federal assistance is extended, or for another purpose involving the provision of similar services or benefits; or
 - ii. The period during which the Owner or any transferee retains ownership or possession of the property.

END OF SECTION

SECTION 01010 - SUMMARY OF WORK

PART 1 - GENERAL

1.01 DESCRIPTION

A. Project/Work Identification:

1. The general overall description of the Work of the Contract for the:

**Airside A Building Automation System Upgrade
Tampa International Airport
Tampa, Florida**

can be summarized for purposes of administration and payment in the manner of project segments as follows:

Authority Project Number: 5755 18
FDOT FM Project Number: 428057-9

Description:

This Project entails the replacement of obsolete components of the building automation system at Airside A with the latest digital Metasys Controls.

B. Contract Documents:

Requirements of the Work are contained in the Contract Documents. Cross-references in the Contract Documents to published information are not necessarily bound with the Contract Documents.

C. Intent:

The intent of the Contract is to provide for construction and completion in full compliance with the Contract requirements with all Work performed and completed in a good workmanlike manner in every detail. It is further intended that the Contractor will furnish all labor, materials, equipment, tools, transportation, and supplies required to complete the Work in a good workmanlike manner in accordance with the Contract Documents.

1.02 LIMITS OF CONSTRUCTION

Any existing condition disturbed due to Contractor's Work will be restored to the Owner's satisfaction at the Contractor's expense.

1.03 ARCHAEOLOGICAL AND HISTORICAL FINDINGS.

- A. Unless otherwise specified in this subsection, the Contractor is advised that the site of the Work is not within any property, district, or site, and does not contain any building, structure, or object, listed in the current National Register of Historic Places

published by the United States Department of Interior.

- B. Should the Contractor encounter, during its operations, any building, part of a building, structure, or object that is incongruous with its surroundings, it will immediately cease operations in that location and notify the Owner. The Owner will immediately investigate the Contractor's finding and the Owner will direct the Contractor to either resume its operations or to suspend operations.
- C. Should the Owner order suspension of the Contractor's operations in order to protect an archaeological or historical finding, or order the Contractor to perform extra work, such will be covered by an appropriate Contract modification (change order or supplemental contract). If appropriate, the Contract modification will include an extension of Contract time.

1.04 REMOVAL OF EXISTING STRUCTURES

- A. All existing structures encountered within the established lines, grades, or grading sections will be removed by the Contractor, unless such existing structures are otherwise specified to be relocated, adjusted up or down, salvaged, abandoned in place, reused in the Work or to remain in place. The cost of removing such existing structures will not be measured or paid for directly, but will be included in the Contract Sum.
- B. Should the Contractor encounter an existing structure that interferes with Contractor's Work, the Owner will be notified prior to disturbing such structure. The disposition of existing structures so encountered will be determined by the Owner in accordance with the provisions of the Contract.
- C. Wherever existing structures interfere with Contractor's Work, Contractor shall be responsible for all modifications, including removal if appropriate, to fit Contractor's Work.
- D. Where existing structures are determined to be removed, Contractor shall remove and dispose of the material. Where such structures are determined to remain and are integrated into Contractor's Work, such materials and structures will remain the property of the Owner when so utilized in the Work.

1.05 RIGHTS IN AND USE OF MATERIALS FOUND IN THE WORK

- A. Should the Contractor encounter any material such as, but not restricted to, sand, stone, gravel, slag, or concrete slabs, within the established lines, grades, or grading sections, the use of which is intended by the terms of the Contract to be either embankment or waste, Contractor may at its option either:
 - 1. Use such material in another Contract item, providing such use is approved by the Owner and is in conformance with the Contract Specifications applicable to such use; or
 - 2. Remove such material from the Project site, upon written approval of the Owner; or

3. Use such material for Contractor's own temporary construction on the Project site; or
 4. Use such material as intended by the terms of the Contract.
- B. Should the Contractor wish to exercise option 1, 2., or 3., Contractor will request the Owner's approval in advance of such use.
 - C. Should the Owner approve the Contractor's request to exercise option 1., 2., or 3., the Contractor will be paid for the excavation or removal of such material at an agreed upon unit price. The Contractor will replace, at Contractor's own expense, such removed or excavated material with an agreed equal volume of material that is acceptable for use in constructing embankment, backfills, or otherwise to the extent that such replacement material is needed to complete the Work. The Owner will not be charged for Contractor's use of such material so used in the Work or removed from the Project site.
 - D. It is understood and agreed that the Contractor will make no claim for delays by reason of Contractor's exercise of option 1., 2., or 3.
 - E. The Contractor will not excavate, remove, or otherwise disturb any material, structure, or part of a structure which is located outside the lines, grades, or grading sections established for the Work, except where such excavation or removal is provided for in the Contract Documents.

1.06 SCHEDULING

- A. The Contractor will be responsible for the planning, scheduling and coordination of all Work performed under the Contract Documents and the entire Project as a whole so that materials will arrive on schedule and Work will proceed without delay.
- B. Contractor will be responsible for complying with Scheduling requirements contained in the Contract Documents. Contractor will be responsible for coordination with Owner for site access.

1.07 LIST OF RELATED WORK

- A. During performance of the Work under this Contract, no other projects are anticipated to be under construction in the general area of this Project.

1.08 COOPERATION BETWEEN CONTRACTORS

- A. When separate contracts are awarded for different portions of the Project, the Contractor in each case will be the person other than the Owner who signs each separate contract.
- B. The Owner reserves the right to contract for and perform other or additional construction on or near the Work covered by this Contract.
- C. When separate contracts are let within or near the limits of this Project, the Contractor will conduct its Work so as not to interfere with or hinder the progress of completion of

the construction performed by other contractors. Contractors working near each other will cooperate with each other as directed by the Owner.

- D. The Contractor will assume all liability, financial or otherwise, in connection with Contractor's Work and will protect and save harmless the Owner from any and all damages or claims that may arise because of inconvenience, delays or loss experienced by the Contractor because of the presence and operations (or lack thereof) of other contractors working within or near the limits of this Project.
- E. The Contractor will arrange the Work and will place and dispose of the materials as not to interfere with the operations of the other contractors within or near the limits of this Project. The Contractor will join the Work with that of the others in an acceptable manner and will perform it in proper sequence to that of the others.

1.09 LAWS, PERMITS, AND REGULATIONS

The Contractor will:

- A. Comply with all applicable laws, ordinances, regulations, codes, and ADA requirements.
- B. Obtain and pay for all license and permits, all fees and charges for connection to outside services and parking for Contractor's vehicles.
- C. Abide by FAA, TSA, and Owner's safety and security regulations and procedures relative to access to, and work in, Airport Operations Areas and secured facilities.
- D. Comply with Owner's insurance requirements.
- E. Comply with the requirements of Authorities Having Jurisdiction (AHJ).

1.10 COORDINATION WITH CONTRACTS

- A. The Contractor will be responsible for directly coordinating and reviewing all schedule dates with the contracts listed above in Item 1.07 LIST OF RELATED WORK, Paragraph A., and shall plan its Work accordingly to not cause any delays or hinder the progress of its Work or that of the Related Work.
- B. It is the sole and full responsibility of the Contractor to coordinate the whole Work directly with the contracts listed above in Item 1.07 LIST OF RELATED WORK, Paragraph A.
- C. The listing of contracts under 1.07 LIST OF RELATED WORK, Paragraph A., may not be inclusive of other related work performed at the Project site; however, the Contractor will be required to coordinate same as directed under Paragraphs A. and B. above.

PART 2 – PRODUCTS

Not used.

PART 2 – EXECUTION

Not used.

END OF SECTION

SECTION 01040 - PROJECT COORDINATION

PART 1 - GENERAL

1.01 DESCRIPTION

The minimum administration and supervisory requirements necessary for coordination of work on the Project include but are not necessarily limited to the following:

- A. Preconstruction Conference.
- B. Coordination and Progress Meetings.
- C. Preinstallation Conferences.
- D. Preconstruction and Progress Photographs.
- E. Reporting and Schedules.
- F. Special Reports.
- G. Service Interruption Requests.

1.02 COVENANT OF GOOD FAITH AND FAIR DEALING

- A. This Contract imposes an obligation of good faith and fair dealing in its performance and enforcement.
- B. The Contractor and the Owner, with a positive commitment to honesty and integrity, agree to the following mutual duties:
 - 1. Each will function within the laws and statutes applicable to their duties and responsibilities.
 - 2. Each will assist in the other's performance.
 - 3. Each will avoid hindering the other's performance.
 - 4. Each will proceed to fulfill its obligations diligently.
 - 5. Each will cooperate in the common endeavor of the Contract.

1.03 PRECONSTRUCTION CONFERENCE

- A. Before beginning work at the Project site, the Contractor will attend a preconstruction conference and bring the Project Management Team, including but not limited to, the Project Manager and Superintendent employed for this Project. In the event the Project Manager or Superintendent is unable to attend, the Contractor will bring a Letter of Introduction in which Contractor advises the full names and duties of the Project Manager and Superintendent and states that they are assigned to the Project and will be

in full responsible charge. This conference will be requested by the Contractor and called by the Owner who will arrange for other interested parties to be present.

- B. The Contractor will also notify its major subcontractors and suppliers of this meeting if their attendance is required. At this time, all parties will discuss the Project under Contract and prepare a program of procedure in keeping with requirements of the Contract Documents. The Contractor's Project Management Team will make every effort to expeditiously coordinate all phases of the Work, including the required reporting procedure, to obtain the end result within the full purpose and intent of the Contract Documents for this Project.

1.04 COORDINATION AND PROGRESS MEETINGS

The Contractor will:

- A. Prepare a written memorandum on required coordination activities. Included will be such items as required notices, reports, and attendance at meetings. This memorandum will be distributed to each entity performing construction at the Project site.
- B. In addition to specific coordination and preinstallation meetings for each element of Work, and other regular project meetings for other purposes, hold general progress meeting each week with time coordinated with preparation of payment request. Require each party then involved in planning, coordination, or performance of Work to be properly represented at each meeting. Review present and future needs including interface requirements, time, sequences, deliveries, access, site utilization, temporary facilities and services, hours of work, hazards and risks, housekeeping, change orders, and documentation of information for payment requests.
- C. Discuss whether each element of current Work is ahead of schedule, on time, or behind schedule in relation with updated progress schedule. Determine how behind schedule Work will be expedited and secure commitments from parties involved. Discuss whether schedule revisions are required to ensure that current Work and subsequent Work will be completed within Contract Time.
- D. Review everything of significance which could affect progress of Work.
- E. Prepare written minutes of the meeting and distribute copies to everyone in attendance and to others affected by decisions or actions resulting from each meeting.

1.05 PREINSTALLATION CONFERENCES

The Contractor will:

- A. Well in advance of installation of every major unit of Work which requires coordination and interfacing with other Work, meet at Project site with installers and representatives of manufacturers and fabricators who are involved in or affected by unit of Work, and in coordination or integration with other Work which has preceded or will follow.
- B. Advise Owner of schedule meeting dates.

- C. At each conference, review progress of other Work and preparations for particular Work under consideration, including requirements of Contract Documents, options, related change orders, purchases, deliveries, shop drawings, product data, quality control samples, possible conflicts, compatibility problems, time schedules, weather limitations, temporary facilities, space and access limitations, structural limitations, governing regulations, safety, inspection and testing requirements, required performance results, recording requirements, and protection.
- D. Record significant discussions of each conference. Record agreements and disagreements. Record final plan of action. Distribute written minutes of conference promptly to everyone concerned, including Owner and others in attendance.

1.06 PRECONSTRUCTION AND PROGRESS PHOTOGRAPHS

The Contractor will provide:

- A. Preconstruction and progress photographs as required by the Contract. Contractor will promptly forward two copies (one hard copy and one electronic copy) to the Owner.
- B. Photographs, videotape(s) or other video recording media will be labeled with the item and date and properly identified and categorized with the name of the person taking the photographs and/or video.

1.07 REPORTING AND SCHEDULES

- A. Within 48 hours after each conference/meeting date, distribute copies of minutes-of-the-meeting to each entity present and to others who should have been present.
- B. Include brief summary, in narrative form, of progress of the Work since previous conference/meeting and report.
- C. Schedule Updating:
 - 1. Immediately following each conference/meeting, where revisions to Progress Schedule have been made or recognized, revise Progress Schedule.
 - 2. Reissue revised Project Schedule concurrently with report of each conference/meeting where appropriate but no later than five days after the conference/meeting.

1.08 SPECIAL REPORTS

- A. Reporting Unusual Events: When an event of an unusual and significant nature, including, but not limited to an accident, injury, or criminal activity, occurs at the Project site, Contractor will prepare and submit a special report to the Owner. The special report will list chain of events, persons participating, response by the Contractor's personnel, an evaluation of the results or effects and similar pertinent information. The Contractor will advise the Owner as soon as possible when such events are known. Time is of the essence.

- B. The Contractor will submit special reports directly to the Owner no later than one day of occurrence. The Contractor will also submit a copy of the special reports to other entities that are affected by the occurrence no later than one day of the occurrence.

1.09 COORDINATION DURING CONSTRUCTION

The Contractor will:

- A. Coordinate construction operations included in various Sections of these Specifications to assure efficient and orderly installation of each part of the Work.

Coordinate construction operations included under different Sections that depend on each other for proper installation, connection, and operation including, but not limited to:

1. Scheduling construction operations in the sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
 2. Coordinating installation of different components to assure maximum accessibility for required maintenance, service, and repair.
 3. Making provisions to accommodate items scheduled for later installation.
- B. Where necessary, prepare memoranda for distribution to each party involved, outlining special procedures required for coordination; include such items as required notices, reports, and attendance at conference/meeting; and prepare similar memoranda for the Owner and separate contractors where coordination of their work is required.
 - C. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and assure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:
 1. Preparation of schedules.
 2. Installation and removal of temporary facilities.
 3. Delivery and processing of submittals.
 4. Progress meetings.
 5. Project closeout activities.
 - D. Conservation: Coordinate construction operations to assure that operations are carried out with consideration given to conservation of energy, water, and materials and Owner's Sustainability Master Plan and salvage materials and equipment involved in performance of, but not actually incorporated in, the Work.

1.10 GENERAL COORDINATION PROVISIONS

The Contractor will:

- A. Require the Installer of each major component to inspect both the substrate and conditions under which Work is to be performed and not proceed until unsatisfactory conditions have been corrected in an acceptable manner.
- B. Coordinate temporary enclosures with required inspections and tests to minimize the necessity of uncovering completed construction for that purpose.

1.11 STAFF NAMES

The Contractor will:

- A. At the Preconstruction and Preinstallation conferences, submit a list of the Contractor's principal staff assignments, including the superintendent and other personnel in attendance at the Project Site. Identify individuals and their duties and responsibilities. List their addresses and telephone numbers.
- B. Post copies of the list in the Project meeting room, the temporary field office, and each temporary telephone.

END OF SECTION

SECTION 01045 - CUTTING AND PATCHING

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Cutting and patching includes cutting into existing construction to provide for installation or performance of other Work, subsequent fitting, and patching required to restore surfaces to original condition.
- B. The Contractor will proceed with cutting and patching at earliest feasible time to complete the Work without delay.
- C. The Contractor will execute cutting, fitting, and patching, including excavation and backfill, required to perform Work and to:
 - 1. Make several parts fit together properly.
 - 2. Uncover portions of Work to make provisions for installation of ill-timed Work.
 - 3. Remove and replace defective Work.
 - 4. Remove and replace Work not conforming to requirements of Contract Documents.
 - 5. Remove samples of installed Work as required for testing.
 - 6. Make routine penetrations of non-structural surfaces for installation of piping and electrical conduit.
 - 7. Uncover Work to allow for Owner's observation of covered Work, which has been covered prior to required observation of Owner.
- D. Cutting and patching performed during manufacture of products or during initial fabrication, erection or installation processes is not considered to be cutting and patching. Drilling of holes to install fasteners and similar operations is also not considered to be cutting and patching.
- E. Refer to other sections of Specifications for specified cutting and patching requirements and limitations applicable to individual units of Work.
Do not cut and patch Work without Owner's written acceptance of procedures.
- F. The Contractor will for new Work, retain original installer or fabricator or another recognized, experienced and specialized firm to perform cutting and patching.

1.02 BUILDING MODIFICATIONS

- A. Modifications to the structure and its mechanical and electrical parts will be provided as indicated and as necessary to accomplish the Work of these Contract Documents.

- B. Modifications will include the removal of existing structure or parts as applicable, relocation of materials and/or parts, termination and relocation of utilities, cutting, patching, cleaning, adjusting, and refinishing, and all incidental Work related to these tasks.
- C. It is the Owner's intent to maintain daily occupancy functions during the progress of this Work. The Contractor will closely coordinate this Work to minimize inconvenience thereto.
- D. No utilities will be interrupted without first notifying the Owner and obtaining concurrence with the interruption. Refer to Section 01545 - UTILITIES for requirements.

1.03 SUBMITTALS

- A. Procedural Proposal for Cutting and Patching:
 - 1. Where prior acceptance of cutting and patching is required, the Contractor will submit proposed procedures for Work well in advance of time Work will be performed.
 - 2. The Contractor will include the following information, as applicable, in submittal:
 - a. Nature of Work and how it is to be performed, indicating why cutting and patching cannot be avoided. Describe the extent of the cutting and patching required and how it is to be performed.
 - b. Anticipated results of Work in terms of change to existing conditions including structural, operational and visual changes, as well as other significant elements.
 - c. List products to be used and firms that will perform Work.
 - d. Dates when cutting and patching are to be performed.
 - e. List utilities that will be disturbed or otherwise be affected by Work, including utilities that will be relocated and utilities that will be out-of-service temporarily.
 - f. Indicate how long utility service will be disrupted.
- B. Where cutting and patching of structural Work involves addition of reinforcement, the Contractor will submit details and engineering calculations to show how reinforcement is integrated with original structure to satisfy requirements.
- C. Review of procedural proposal by Owner does not waive Owner's right to later require complete removal and replacement of Work found to be cut and patched in unsatisfactory manner.
- D. The Contractor will not cut or patch structural elements in a manner that would impact

their load carrying capacity or load-deflection ratio.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. The Contractor will use materials for cutting and patching that are identical to existing materials. If identical materials are not available, or cannot be used, use materials that match existing adjacent surfaces to fullest extent possible with regard to visual effect.
- B. The Contractor will use materials for cutting and patching that will result in equal-or-better performance characteristics.
- C. The Contractor will comply with specifications and standards for each specific product involved.
- D. Should conditions of Work or schedule indicate change of products from original installation, the Contractor will submit requirements for substitution with sufficient documentation to substantiate that the proposed substitution is equivalent in terms of performance to the original installation.

PART 3 – EXECUTION

3.01 EXAMINATION

The Contractor will:

- A. Before cutting, examine surfaces and conditions under which Work is to be performed. If unsafe or otherwise unsatisfactory conditions are encountered, take corrective action before proceeding with Work.
- B. Before the start of cutting Work, meet at Work site with all parties involved in cutting and patching, including mechanical and electrical trades. Review areas of potential interference and conflict between various trades. Coordinate layout of Work and resolve potential conflict before proceeding with Work.

3.02 PREPARATION

The Contractor will:

- A. Provide adequate temporary support as necessary to assure structural value or integrity of affected portion of Work.
- B. Protect other work during cutting and patching to prevent damage. Provide protection from adverse weather conditions for that part of Project that may be exposed during cutting and patching operations.
- C. Avoid interference with use of adjoining areas or interruption of free passage to adjoining areas.

- D. Take precautions not to cut existing pipe, conduit, or duct serving building(s) scheduled to be relocated until provisions have been made to bypass them.

3.03 CUTTING

The Contractor will:

- A. Cut Work using methods that are least likely to damage Work to be retained or adjoining Work.
- B. Use handheld small power tools designed for sawing or grinding, not hammering and chopping. Cut through concrete and masonry using cutting machine such as carborundum saw or core drill to ensure a neat hole. Cut holes and slots neatly to size required with minimum disturbance of adjacent Work. To avoid marring existing finished surfaces, cut or drill from exposed or finished side into concealed surfaces. Temporarily cover openings when not in use.
- C. Bypass utility services such as pipe and conduit before cutting, where such utility services are shown or required to be removed, relocated, or abandoned. Cut-off conduit and pipe in walls or partitions to be removed. After bypass and cutting, cap, valve, or plug and seal tight remaining portion of pipe and conduit to prevent entrance of moisture or other foreign matter.
- D. Not cut and patch operational elements or safety related components in a manner that would result in reduction of capacity to perform in manner intended, including energy performance, or that would result in increased maintenance, decreased operational life or decreased safety.
- E. Not cut and patch Work exposed on building's exterior or in occupied spaces, in a manner that would result in lessening building's aesthetic qualities. Do not cut and patch Work in a manner that would result in substantial visual evidence of cut and patch Work. Remove and replace Work judged by the Owner to be cut or patched in a visually unsatisfactory manner.
- F. Where structural members and/or other construction elements penetrate smoke and fire rated assemblies and sound barriers, including walls around and floor below mechanical equipment rooms, provide acoustical fire rated sealant between such Work and barrier to maintain acoustical attenuation, as well as smoke and fire integrity of the barrier.

3.04 PATCHING

The Contractor will:

- A. Patch with seams which are durable and as invisible as possible. Comply with specified tolerances for Work.
- B. Where feasible, inspect and test patched areas to demonstrate integrity of Work.
- C. Restore exposed finishes of patched areas and where necessary extend finished

restoration into retained adjoining Work in a manner which will eliminate evidence of patching and refinishing.

- D. Install new products to complete Work in accordance with requirements of Contract Documents.
- E. Where removal of walls or partitions extends one finished area into another finished area, patch and repair floor and wall surfaces in new space to provide an even surface or uniform color appearance. If necessary to achieve uniform color and appearance, remove existing floor and wall coverings and replace with new materials.
- F. Where patch occurs in smooth painted surface, extend final paint coat over entire unbroken surface containing patch, after patched area has received prime and base coat.

3.05 ADJUSTING

The Contractor will:

- A. Restore damaged pipe covering to original conditions.
- B. Remove and replace Work cut and patched in visually unsatisfactory manner.

3.06 CLEANING

The Contractor will:

Thoroughly clean areas and spaces where Work is performed or used as access to Work. Remove paint, mortar, oils, putty, and items of similar nature. Thoroughly clean piping, conduit, and similar features before painting or other finish is applied.

END OF SECTION

SECTION 01095 - DEFINITIONS AND STANDARDS

PART 1 - GENERAL

1.01 DESCRIPTION OF REQUIREMENTS

A. General:

1. This section specifies procedural and administrative requirements for compliance with governing regulations and the codes and standards imposed upon the Work. These requirements include the obtaining of permits, licenses, inspections, releases and similar requirements associated with regulations, codes and standards.
2. Regulations are defined to include laws, statutes, ordinances, and lawful orders issued by governing authorities, as well as those rules, conventions and agreements within the construction industry which effectively control the performance of the Work regardless of whether they are lawfully imposed by governing authority or not.
3. Codes, standards and requirements of the Owner are identified within the Contract Documents. Contractor must examine, determine and identify other codes, standards and requirements that may be applicable to the Contractor's Work, such that the intent of the Contract is fully realized.

B. Governing Regulations:

Refer to Section 00700, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, as modified, for requirements related to compliance with governing regulations.

1.02 DEFINITIONS

A. General Requirements:

The provisions or requirements of Division 01 sections apply to the entire Work of this Contract and supplement the requirements in the Contract Documents.

A substantial amount of specification language consists of definitions of terms found in the Contract Documents. Certain terms used in Contract Documents are defined in this section. Definitions and explanation contained in this section are not necessarily either complete or exclusive, but are general for the Work to the extent they are not stated more explicitly in another element of the Contract Documents.

B. Subject to 1.02 A, whenever the following terms are used in the Contract Documents or any other documents or instruments pertaining to the construction of this Project, the intent and meaning will be interpreted as follows:

1. **ACCESS ROAD.** The right-of-way, the roadway and all improvements constructed thereon connecting the airport to a public highway.

2. **ADVERTISEMENT.** A public announcement, as required by local law, inviting bids for Work to be performed and materials to be furnished. Also referred to as "Invitation to Bid" or "Notice to Bidders."
3. **AIR OPERATIONS AREA (AOA).** For the purpose of these Specifications, the term AOA means any area of the airport used or intended to be used for the landing, takeoff, or surface maneuvering of aircraft. An AOA includes such paved or unpaved areas that are used or intended to be used for the unobstructed movement of aircraft in addition to its associated runway, taxiway or apron.
4. **AIRPORT.** Airport means Tampa International Airport.
5. **AIRPORT IMPROVEMENT PROGRAM (AIP).** The AIP means a grant-in-aid program administrated by the Federal Aviation Administration.
6. **APPROVE.** Where used in conjunction with Owner's response to submittals, requests, applications, inquiries, reports and claims by the Contractor, the term "approved" will be held to limitations of Owner's responsibilities and duties as specified in the Contract Documents. In no case will "approval" by Owner be interpreted as a release of Contractor from responsibilities to fulfill requirements of the Contract Documents.
7. **APM: Automated People Mover.** A guided transit mode with fully automated operation, featuring vehicles that operate on guideways with exclusive right-of-way.
8. **APM SYSTEM:** The vehicles, running surfaces or track, switches, other guideway equipment, active graphics, any platform barrier doors, power distribution, central control, communications, maintenance equipment, and all other equipment, which when integrated results in the operation of the APM trains.
9. **AWARD.** The acceptance by the Owner of the successful Bidder's Bid.
10. **BID.** The written offer of the Bidder to perform the Work and furnish the necessary materials and labor in accordance with the provisions of the Contract Documents.
11. **BID BOND.** The security furnished with a Bid to guaranty that the Bidder will enter into a Contract if Bidder's Bid is accepted by the Owner.
13. **BIDDER.** Any individual, partnership, firm or corporation, acting directly or through a duly authorized representative, who submits a Bid for the Work contemplated.
14. **BUILDING AREA.** An area on the airport to be used, considered, or intended to be used for airport buildings or other airport facilities or rights-of-way, together with all airport buildings and facilities located thereon.
15. **DAY.** As used in the Contract Documents means calendar day unless otherwise specifically defined.

16. CONSTRUCTION SCHEDULE. The Contractor-prepared schedule as adjusted from time to time in accordance with the Contract Documents showing planned and actual progress by items of the Work.
17. DESIGN PROFESSIONAL: The individual, partnership, firm or corporation duly authorized by the Owner (Sponsor) to be responsible for the architectural and engineering supervision of the contract work and acting directly or through an authorized representative.
18. CONTRACT DOCUMENTS. The Contract Documents consist of the executed Contract between the Owner and Contractor, the Contractor's GMP Proposal as accepted by the Owner, Bonds, Insurance Requirements, the Division 1 Documents, E-Verify Certification and any Contract Modifications issued after execution of the Contract.
19. DIRECTED, REQUESTED, ETC. Where not otherwise explained, terms such as "directed", "requested", "authorized", "selected", "accepted", and "permitted" mean "directed by Owner or Design Professional", "requested by the Owner or Design Professional", and similar phrases. However, no such implied meaning will be interpreted to extend Owner's or Design Professional's responsibility into the Contractor's area of Contractor, including but not limited to construction supervision.
20. DRAINAGE SYSTEM. The system of pipes, ditches, ponds, and structures by which surface or subsurface waters are collected and conducted from the airport area.
21. DRAWINGS. The official Drawings or exact reproductions which show the location, character, dimensions and details of the airport and the Work to be done.
22. EQUIPMENT. The articles, devices, software, control system, and other assets used to serve a function in the operation of the Project. Also, used to refer to all machinery, together with the necessary supplies for upkeep and maintenance, as well as all tools and apparatus, necessary for the proper construction and acceptable completion of Work.
23. EXPERIENCED. The term "experienced" when used with the term "Installer" means having previous projects similar in size and scope to the installation to be performed, being familiar with the procedures required, and having complied with requirements of the authority having jurisdiction.
24. EXTRA WORK. An item of Work not provided for in the awarded Contract as previously modified by work order or change order but which is found by the Owner to be necessary to complete the Work within the intended scope of the Contract as previously modified.
25. FAA (Federal Aviation Administration). When used to designate a person, FAA means the Administrator or its duly authorized representative.

26. FAA SUPPLEMENT. It is understood that federal grant funds may be used in the Project. In the event federal grant funds are used, the Contract Documents will be governed by all applicable rules and regulations of the FAA and U.S. Department of Transportation, as well as applicable requirements incorporated in any grant agreement between the Owner and the FAA with regard to said funding, which requirements are set forth in the attached "FAA Construction Contract Clauses, Airport Improvement Program," and which will be incorporated herein if federal grant funds are utilized.
27. FEDERAL SPECIFICATIONS. The Federal Specifications and Standards, and all supplements, amendments and indices thereto as prepared and issued by the General Services Administration of the Federal Government. They may be obtained from the Specifications Unit, 7th and D Street, SW, Washington, DC 20406, Tele: (202) 472-2205 or 472-2140.
28. FHWA (Federal Highway Administration). When used to designate a person, FHWA will mean the Administrator or its duly authorized representative.
29. FURNISH. Except as otherwise defined in greater detail, the term "furnish" is used to mean supply and delivery to Project site, ready for unloading, unpacking, assembly, installation, etc., as applicable in each instance for incorporation and installation into the Work.
30. INDICATED. The term "indicated" is a cross-reference to graphic representations, notes, or schedules on drawings, to other paragraphs or schedules in the Specifications, and to similar means of recording requirements in Contract Documents. Where terms such as "shown", "noted", "scheduled", and "specified" are used in lieu of "indicated", it is for the purpose of helping the reader locate the cross-reference, and no limitation of location is intended except as specifically noted.
31. INSPECTOR. An authorized representative of the Owner assigned to make all necessary inspections and/or tests of the Work performed or being performed, or of the materials furnished or being furnished by the Contractor.
32. INSTALL. Except as otherwise defined in greater detail, the term "install" is used to describe operations at the Work site including unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations, as applicable in each instance, to incorporate the element being installed into the Work.
33. INSTALLER. The term "installer" is the entity (person or firm) engaged by the Contractor, its Subcontractor or Sub-subcontractor for performance of a particular unit of Work at the Project site, including installation, erection, application, and similar required operations. It is a general requirement that such entities (installers) be expert in the operations they are engaged to perform.
34. INTENTION OF TERMS. Whenever, in the Contract Documents, the words

"directed," "required," "permitted," "ordered," "designated," "prescribed," or words of like import are used, it will be understood that the direction, requirement, permission, order, designation, or prescription of the Design Professional is intended; and similarly, the words "approved," "acceptable," "satisfactory," or words of like import will mean approved by, acceptable to, or satisfactory to the Design Professional.

a. Any reference to a specific requirement of a numbered paragraph of the Contract Document or a cited standard will be interpreted to include all general requirements of the entire section, specification item, or cited standard that may be pertinent to such specific reference.

35. LABORATORY. The official testing laboratories of the Contractor or Owner or such other laboratories as may be designated by the Owner.
36. LIGHTING. A system of fixtures providing or controlling the light sources used on or near the airport or within the airport buildings. The field lighting includes all luminous signals, markers, floodlights, and illuminating devices used on or near the airport or to aid in the operation of aircraft landing at, taking off from, or taxiing on the airport surface.
37. MAJOR AND MINOR CONTRACT ITEMS. A major contract item will be any item that is listed in the Bid, the total cost of which is equal to or greater than 20% of the total amount of the awarded Contract. All other items will be considered minor contract items.
38. MATERIALS. Any substance to be used in the Work.
39. NO EXCEPTIONS TAKEN. The term "No Exceptions Taken" where used in conjunction with the Design Professional's action on the Contractor's submittals, applications, and requests, is limited to the Design Professional's duties and responsibilities as stated in Section 00700, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, as modified.
- a. Refer to Section 01340 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES for more specific information.
40. NOT APPROVED. Where used in conjunction with the Design Professional's response to submittals, requests, applications, inquires, reports, and claims by the Contractor, indicates that the item or material is unsatisfactory, and must be revised, new material prepared in accordance with notations, and the item or material resubmitted. Material marked in this manner will not be released for any Work.
41. NOTE MARKINGS. Where used in conjunction with the Owner's response to submittals, requests, applications, inquires, reports, and claims by the Contractor, "Note Markings" indicates that the item or material submitted is approved subject to corrections noted. Correction and re-submittal of the item is not required unless specifically called for in the notations. Approval of Contractor's submitted item does not constitute approval of the design.

Approval does not permit any deviation from the Contractor's requirements and does not relieve the Contractor of the responsibility for errors or deficiencies in design, dimension, details, or for coordinating installation and/or construction with actual conditions at the Project site.

42. NOTICE TO PROCEED (NTP). A written notice to the Contractor to begin the actual Contract Work. If applicable, the NTP will state the date on which the Contract Time begins.
43. OWNER (SPONSOR). The term Owner or Sponsor will mean the party of the first part or the contracting agency signatory to the Contract. The Hillsborough County Aviation Authority is the Owner, and will include its agents, employees, representatives and contractors when acting at its direction or on its behalf. The Hillsborough County Aviation Authority is also referred to as the "Owner" in these Contract Documents. For AIP Contracts, the term Sponsor will have the same meaning as the term Owner.
44. PAVEMENT. The combined surface or friction course, structural course, base course, and sub-base course, if any, considered as a single unit.
45. PAYMENT BOND. The approved form of security furnished by the Contractor and Contractor's surety as a guaranty that the Contractor will pay in full all bills and accounts for material and labor used in the construction of the Work under the contract.
46. PERFORMANCE BOND. The approved form of security furnished by the Contractor and Contractor's surety as a guaranty that the Contractor will complete the Work in accordance with the terms of the Contract and will complete the guarantee of the Work specified therein.
47. PROJECT. The Work defined in the Contract Documents.
48. PROJECT SITE. The term "Project Site" is defined as the space available to the Contractor for performance of the Work, either exclusively or in conjunction with others performing other Work, as part of the Project. The extent of the Project Site may or may not be identical with the description of the land upon which the Project is to be built but it is within or near Tampa International Airport.
49. PROVIDE. Except as otherwise defined in greater detail, the term "provide" means furnish and install, complete, and ready for intended use, as applicable in each instance.
50. RETENTION. Retention (or Retainage) is the amount of compensation for Work accomplished by the Contractor which is retained by the Owner to be paid to the Contractor as specified herein.
51. RUNWAY. The area on the airport designated for the landing and takeoff of aircraft.

52. SHOP DRAWINGS. All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the Contractor, a subcontractor, manufacturer, supplier or distributor and which illustrate the equipment, material or some portion of the Work.
53. SHUTTLE. A guided transit mode with fully automated operation, featuring vehicles that operate on guideways between the Main Terminal and Airsides
54. SPECIFICATIONS. A part of the Contract Documents containing the written directions and requirements for completing the Contract Work. Standards for specifying materials or testing which are cited in the Contract Specifications by reference will have the same force and effect as if included in the Contract physically.
54. SPONSOR. See "Owner".
55. STRUCTURES. Airport facilities such as buildings, aprons, bridges, culverts, catch basins, inlets, retaining walls, cribbing, storm and sanitary sewer lines, waterlines, underdrains, electrical ducts, manholes, handholes, lighting fixtures and bases, transformers, flexible and rigid pavements, navigational aids, buildings, vaults, and other manmade features of the airport that may be encountered in the Work and not otherwise classified herein.
56. SUBGRADE. The soil which forms the pavement foundation.
57. SUPERINTENDENT. The Contractor's executive representative who is present on the Work during progress, authorized to receive and fulfill instructions from the Owner, and who will supervise and direct the construction.
58. SUPPLEMENTAL CONTRACT. A written agreement between the Contractor and the Owner covering (1) Work that would increase or decrease the total amount of the awarded Contract, or any major Contract item, by more than 25%, such increased or decreased work being within the scope of the originally awarded Contract; or (2) Work that is not within the scope of the originally awarded Contract.
59. SURETY. The corporation, partnership, or individual, other than the Contractor, executing Payment and Performance Bonds which are furnished to the Owner by the Contractor.
60. TAXIWAY. The portion of the AOA of an airport that has been designated by the airport authority for movement of aircraft to and from the airport's runways or aircraft parking areas.
61. TESTING LABORATORIES. An independent entity engaged to perform specific inspections or tests of the Work, either at the Project site or elsewhere, and to report and (if required) interpret results of those inspections or tests.
62. TRADES. Use of titles such as "carpentry" is not intended to imply that certain construction activities must be performed by accredited or unionized individuals

of a corresponding generic name, such as "carpenter." It also does not imply that requirements specified apply exclusively to tradespersons of the corresponding generic name.

- 63. UNIT PRICE. Cost per unit of Work.
- 64. WORK. The construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

1.03 SPECIFICATION FORMAT AND CONTENT EXPLANATION

A. General:

- 1. This article is provided to help the user of the Specifications to more readily understand the format, language, implied requirements and similar conventions of content. None of the following explanations will be interpreted to modify the substance of the Contract requirements.

B. Specification Content:

- 1. The Project Specifications and the Contract Documents have been produced employing certain conventions in the use of language as well as conventions regarding the intended meaning of certain terms, words, and phrases when used in particular situations or circumstances. These conventions are explained as follows:
 - a. In certain circumstances, the language of the Specifications and other Contract Documents is of the abbreviated type. It implies words and meanings that will be interpreted as plural. Plural words will be interpreted as singular where applicable and where the full context of the Contract Documents so indicates.
 - b. Imperative Language is used generally in the Specifications. Requirements expressed imperatively are to be performed by the Contractor. At certain locations in the text, for clarity, contrasting subjective language is used to describe responsibilities which must be fulfilled indirectly by the Contractor or by others when so noted.

1.04 INDUSTRY STANDARDS

A. Applicability of Standards:

Except where more explicit or stringent requirements are written into the Contract Documents, applicable industry standards have the same force and effect as if bound into or copied directly into the Contract Documents. Such industry standards are made a part of the Contract Documents by reference. Contractor shall keep available copies of all applicable codes and standards at locations where Work is being performed,

including the Project Site.

B. Publication Dates:

Except as otherwise indicated, where compliance with an industry standard is required, comply with standard in effect as of date of Contract Documents.

C. Conflicting Requirements:

Where compliance with two or more standards is specified, and where these standards establish different or conflicting requirements, the Contractor shall call the conflict to the Owner's attention and the most stringent requirement will be enforced as determined by the Owner.

D. Copies of Standards:

1. The Contract Documents require that each entity performing Work be experienced in that part of the Work being performed. Each entity is also required to be familiar with industry standards applicable to that part of the Work. Copies of applicable industry standards are not bound with the Contract Documents.

a. Where copies of industry standards are needed for proper performance of the Work, the Contractor is required to obtain such copies directly from the publication source.

b. Although certain copies of industry standards needed for enforcement of the requirements may be required submittals, the Owner reserves the right to require the Contractor to submit additional copies of these standards as necessary for enforcement of requirements.

E. Abbreviations and Names:

Trade association names and titles of general standards are frequently abbreviated. Where acronyms or abbreviations are used in the Specifications or other Contract Documents they are defined to mean the recognized name of the trade association, standards generating organization, governing authority or other entity applicable to the context of the text provision. Refer to the "Encyclopedia of Associations," published by Gale Research Co.

F. Comply with applicable standards for work promulgated by organizations, associations, institutes, societies, boards and generally recognized organizations including but not limited to:

Acoustical Materials Association.....	AMA
Air Conditioning & Refrigeration Institute.....	ARI
Air Moving & Conditioning Association.....	AMCA
Aluminum Association.....	AA
American Association of State Highway and Transportation Officials	AASHTO

American Concrete Institute.....	ACI
American Gas Association.....	AGA
American Institute of Steel Construction.....	AISC
American National Standards Institute.....	ANSI
American Petroleum Institute.....	API
American Plywood Association.....	APA
American Society for Testing and Materials.....	ASTM
American Society of Heating, Refrigerating & Air Conditioning Engineers.	ASHRAE
American Water Works Association.....	AWWA
American Welding Society.....	AWS
American Wood Preservers Bureau.....	AWPB
Architectural Precast Association.....	APA
Architectural Woodworking Institute.....	AWI
Cast Iron Pipe Research Association.....	CIPRA
Concrete Reinforcing Steel Institute.....	CRSI
Contracting Plasterers and Lathers International Association.....	CPLIA
Factory Mutual Engineering Corporation.....	FM
Federal Specifications.....	FED. SPEC.
Flat Glass Jobbers Association.....	FGJA
Gypsum Association.....	GA
Industrial Power Cable Engineers Association.....	IPCEA
Institute of Boiler & Refrigeration.....	IBR
Institute of Electrical & Electronic Engineers.....	IEEE
Joint Industry Council.....	JIC
Metal Lath Manufacturers Association.....	MLMA
Metal Lath/Steel Framing Association.....	ML/SFA
Military Specifications.....	MIL. SPEC.
National Association of Architectural Metal.....	NAAM
National Bureau for Lathing and Plastering.....	NBLP
National Concrete Masonry Association.....	NCMA
National Electric Code.....	NEC
National Electrical Manufacturers Association.....	NEMA
National Fire Protection Association.....	NFPA
National Lumber Manufacturers Association.....	NLMA
National Roofing Contractors Association.....	NRCA
National Terrazzo & Mosaic Association.....	NTMA
National Woodwork Manufacturers Association.....	NWMA
Portland Cement Association.....	PCA
Post-Tensioning Institute.....	PTI
Precast Concrete Institute.....	PCI
Product Standards.....	PS
Research Council on Riveted and Bolted Structural Joints.....	RCRBSJ
Rubber Manufacturer's Association.....	RMA
Sealing and Waterproofers Institute.....	SWI

Sheet Metal & Air Conditioning Contractors National Assoc.....	SMACNA
Southern Pine Inspection Bureau.....	SPIB
Steel Boiler Institute.....	SBI
Steel Door Institute.....	SDI
Steel Joist Institute.....	SJI
Steel Structures Painting Council.....	SSPC
Stucco Manufacturer's Association.....	SMA
Tile Council of America.....	TCA
Tubular Exchange Manufacturers Association.....	TEMA
Underwriter's Laboratories.....	UL
United States Department of Commerce - Commercial Standards.....	CS
United States Department of Commerce – Products Standards	PS
United States Gypsum Company.....	USG
United States Postal Service.....	USPS
Vermiculite Institute.....	VI
Warnock Hersey.....	WH
West Coast Lumber Inspection Bureau.....	WCLIB

- G. Where more than one quality or requirement is set forth in such standards and reference is not made in these Specifications to which specific quality or requirement is intended, the conflict shall be brought to the attention of the Owner who will determine which one to follow. The Contractor will be deemed to have bid the most stringent and furnished the most stringent. Where under such standards options occur, the Owner will be called upon to designate which applies.
- H. No provisions of any referenced standard, specification, manual or code (whether or not specifically incorporated by reference in the Contract Documents) will be effective to change the duties and responsibilities of the Owner, Contractor or any of their consultants, agents or employees, from those set forth in the Contract Documents, nor will it be effective to assign to the Owner any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of the Contract Documents.

1.05 CODES/MANUFACTURER'S RECOMMENDATIONS

- A. Applicable code requirements are included herein by this reference. However, such are minimum criteria and no reduction from Drawings or Specifications will be permitted, even if allowed by applicable code.
- B. Electrical and mechanical apparatus, fixtures and equipment will bear approved device label of Underwriter's Laboratories.
- C. The local building code and the Florida Building Code (Latest Edition) apply to all Work. In the event a conflict occurs between the local and Florida Building Codes, the greater requirements will govern. The Contractor shall call to the attention of the Owner any conflict which may arise due to revisions to codes and regulations subsequent to the Contract Date.

D. Specifically, comply with following codes and regulations:

1. Florida Building Code, Latest Edition.
2. Florida Plumbing Code, Latest Edition.
3. Florida Mechanical Code, Latest Edition.
4. Florida Fire/Gas Code, Latest Edition.
5. Local Building Code.
6. Local Public Utility regulations.
7. City of Tampa Water Department "Developer-Install" Manual.
8. City of Tampa Department of Sanitary Sewer Developer Review Package.
9. National Standard Plumbing Code.
10. National Electric Code (NEC).
11. ASME Code for unfired pressure vessels.
12. Building exits code (life safety code), NFPA 101.
13. Standards of National Board of Fire Underwriters.
14. ASHRAE Safety Code for Mechanical Refrigeration.
15. National Fire Codes.
16. National Fire Protection Association.
17. Occupational Safety and Health Administration (OSHA).
18. International Council of Building officials.
19. Housing and Urban Development.
20. Council of American Building Officials.
21. ANSI A17.1-1987 Safety Code for Elevators and Escalators.
22. American National Standards Institute (ANSI).
23. Florida Department of Environmental Regulation.
24. United States Environmental Protection Agency.
25. Americans with Disabilities Act (ADA).
26. Hillsborough County Environmental Protection Commission.
27. Florida Department of Transportation (FDOT).
28. Federal Aviation Administration (FAA).

E. Comply with recommendations of pertinent manufacturer to achieve first quality work.

1.06 ABBREVIATED SPECIFICATIONS

- A. In order to shorten these Specifications, certain terminology and form common in specification writing is employed. The following words are often omitted when meaning remains clear without the same, i.e., "the," "the Contractor will," "of," "a," "will comply with," etc.
- B. Uses of a period or colon after a general mention of a material lists means "will be," or "will comply with." Example:

"Portland Cement: ASTM C 150, Type 1."

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF SECTION

SECTION 01110 - AIRPORT PROJECT PROCEDURES

PART 1 - GENERAL

1.01 AIRPORT OPERATIONS

Airport operations will be maintained throughout this Contract. The Contractor will in no way curtail or handicap normal operational characteristics of the airport facility except as specifically indicated and specified in these Contract Documents.

1.02 PERMITS, LICENSES AND TAXES

- A. Contractor will be required to procure and pay for all permits, licenses, fees, duties and taxes and arrange for all inspections and similar procedural items as required by the authorities having jurisdiction.
- B. The Contractor will procure all necessary and required permits and licenses, including batch plant permit(s), pay all charges, fees and taxes and give all notices necessary and incidental to the due and lawful prosecution of the Work so as not to delay the completion of the Project. The Contractor's claim that insufficient Contract Time was specified will not be a valid reason for extension of Contract Time. No extensions of Contract Time for completion will be granted for failure to timely procure all necessary and required permits and licenses, including batch plant permit(s), or failure to pay all charges, fees and taxes, or failure to give all notices timely.

1.03 VERIFICATION OF EXISTING CONDITIONS

Prior to bidding and commencing with construction, the Contractor will familiarize themselves with the existing conditions of the Project and requirements of the Contract Documents. Should the Contractor discover any inaccuracies, errors, or omissions between the actual existing conditions and the Contract Documents, Contractor will within 7 calendar days of discovery, notify the Owner in writing or otherwise Contractor will be deemed to have waived any claim arising therefrom. Submission of Bid by the Contractor will be held as an acceptance of the existing conditions and the requirements of the Contract Documents by the Contractor.

1.04 MAINTENANCE OF TRAFFIC

- A. It is the explicit intention of the Contract that the safety of aircraft, as well as the Contractor's equipment and personnel, is the most important consideration. It is understood and agreed that the Contractor will provide for the free and unobstructed movement of aircraft in the AOA of the Airport, including approach and departure surfaces, with respect to Contractor's own operations and the operations of all Contractor's subcontractors. It is further understood and agreed that the Contractor will provide for the uninterrupted operation of visual and electronic signals (including power supplies thereto) used in the guidance of aircraft while operating to, from, and upon the airport.
- B. The cost of maintaining the aircraft and vehicular traffic will be borne by the Contractor as part of its Work and is included in the Contract Sum Bid Amount.

- C. The Contractor will not prevent public traffic from using active aviation and public areas in and around the Airport. The Work will be coordinated with the Owner and other agencies having an interest in the capability of the Airport and will be programmed and stated accordingly so that public traffic may be routed over partially completed Work. Appropriate safety precautions will be provided by the Contractor to protect employees, the public and the Work.
- D. Should it be necessary for the Contractor to complete portions of the Contract Work for the beneficial occupancy of the Owner prior to completion of the whole Work, such "phasing" of the Work will be specified herein and indicated on the Drawings. When so specified, the Contractor will complete such portions of the Work on or before the date specified or as otherwise specified.
- E. If the Contractor, with the concurrence of the Owner, elects to complete one increment of Work prior to completion of the whole Work, the Owner may accept the Work for beneficial occupancy. Upon completion of any portion of the Work listed above, such portion will be accepted by the Owner in accordance with the Contract.
- F. No portion of the Work may be opened by the Contractor for public use until ordered by the Owner in writing. Should it become necessary to open a portion of the Work to public traffic on a temporary or intermittent basis, such openings will be made when, in the opinion of the Owner, such portion of the Work is in an acceptable condition to support the intended traffic. Temporary or intermittent openings are considered to be inherent in the Work and will not constitute either acceptance of the portion of the Work so opened or a waiver of any provision of the Contract. Any damage to the portion of the Work so opened that is not attributable to traffic which is permitted by the Owner will be repaired by the Contractor at Contractor's expense.
- G. The Contractor will make its own estimate of the inherent difficulties involved in completing the Work under the conditions herein described and will not claim any added compensation by reason of delay or increased cost due to opening a portion of the Contract Work.
- H. When the Work is in or near vehicular traffic and pedestrian areas, the Contractor will arrange the Work so as to avoid disruption of normal traffic patterns. The Contractor will provide, erect and maintain effective barricades, danger signals, signs and equipment to provide protection of the Work and the safety of the public throughout the area in accordance with the "FDOT Roadway and Traffic Design Standards."
- I. The Contractor will maintain traffic within the limits of the Project for the duration of the construction period, including all temporary suspensions of Work. It will include the construction and maintenance of all necessary detour facilities; the furnishing, installing and maintaining of traffic control and safety devices during construction; the control of dust; and any other special requirements for safe and expeditious movement of aircraft, vehicular traffic and pedestrians. Before contracting with any outside agency for a uniformed law enforcement officer to assist in the maintenance of traffic, the Contractor will first coordinate availability of Tampa International Airport Police with the Police Department dispatch office at (813) 870-8760.

1. Beginning Date of Contractor's Responsibility: The Contractor's responsibility for

maintenance of traffic will begin on the day Contractor starts Work on the Project at the Project site and will continue until the date of Final Acceptance of the Work.

2. Number of Traffic Lanes: Unless otherwise specified, the Contractor will close no more than one lane on each roadway and ramp. Unless otherwise specified, the effective width of each lane used for maintenance of traffic will be at least as wide as the traffic lanes existing in the area prior to commencement of construction. Traffic control and warning devices will not encroach on lanes used for maintenance of traffic. All closures on any traffic lanes will be coordinated with the Owner a minimum of seven calendar days prior to any closure.
 3. High Traffic Areas: When the Work is in or near vehicular traffic and pedestrian areas, arrange the Work so as to avoid disruption of normal traffic patterns. Provide, erect and maintain effective barricades, variable message boards, danger signals, signs and equipment to provide protection of the Work and the safety of the public throughout the area.
- J. The Contractor will be responsible for performing daily inspections, including weekends and holidays with some inspections at night time, of the installations on the Project and replacing all equipment and devices not conforming to the approved standards during that inspection. The Owner will be advised of the schedule of these inspections and be given the opportunity to join in the inspection as deemed necessary.
- K. Sections Not Requiring Traffic Maintenance: Contractor will not be required to maintain traffic over those portions of the Project where no Work is to be accomplished or where construction operations will not affect existing roads. Contractor, however, will not obstruct nor create a hazard to any traffic during the prosecution of the Work and will be responsible for repair of all damage to existing pavement or facilities caused by Contractor's operations.
- L. Traffic Plan: If applicable, the Contractor will present its Maintenance of Traffic Plan at the Pre-construction Conference/meeting. Maintenance of Traffic Plan will be in written form and include plan sheets which indicate the type and location of all signs, lights, barricades, variable message boards, arrow boards, striping and barriers to be used for the safe passage of pedestrians, vehicular and aircraft traffic through the Project. The plan will indicate conditions and set-up for each phase of the Contractor's activities. In no case may the Contractor begin Work until the Maintenance of Traffic Plan has been approved in writing by the Owner. Modifications to the Maintenance of Traffic Plan that may become necessary will also be approved in writing. Except in an emergency, no changes to the approved Maintenance of Traffic Plan will be allowed until approval of the change has been received.
- M. Traffic During Construction: All construction vehicles are required to use existing public traffic routes. Normal public traffic lanes are not to be used as staging areas for arriving delivery vehicles. The Contractor's employees will utilize the designated Contractor employee parking area.
1. Adequate accommodations for intersecting and crossing traffic will be provided and maintained and, except where specific permission is given, no road or street

crossing the Project will be blocked or unduly restricted.

- N. The "FDOT Roadway and Traffic Design Standards" manual sets forth the basic principles and prescribes minimum standards to be followed in the design, application, installation, maintenance, and removal of all traffic control devices and all warning devices and barriers which are necessary to protect the public and workers from hazards within the Project limits. The standards established in the aforementioned manual constitute the minimum requirements for normal conditions and additional traffic control devices, warning devices, barriers or other safety devices will be required where unusual, complex or particular hazardous conditions exist.
- O. Installation: The responsibility for installation and maintenance of adequate traffic control devices, warning devices and barriers for the protection of the public and workers, as well as to safeguard the Work, will rest with the Contractor. The required traffic control devices, warning devices and barriers will be erected by the Contractor prior to creation of any hazardous condition and in conjunction with any necessary re-routing of traffic. The Contractor will immediately remove, turn or cover any devices or barriers which do not apply to existing conditions.
1. The Contractor will make the Owner aware of any scheduled operation which will affect patterns or safety sufficiently in advance of commencing such operation to permit Owner's review of the plan for installation of traffic control devices or barriers proposed by the Contractor.
 2. The Contractor will assign one of its employees the responsibility of maintaining the position and condition of all traffic control devices, warning devices and barriers throughout the duration of the Contract. The Owner will be kept advised at all times as to the identification and means of contacting this employee on a 24 hour basis.
- P. Furnishing of Devices and Barriers: All traffic control devices including signs, warning devices, variable message boards, arrow boards, and barriers will be furnished by the Contractor.
1. When the Work requires closing an AOA of the airport or portion of such area, the Contractor will furnish, erect, and maintain temporary markings and associated lighting conforming to the requirements specified in the Contract Documents or FAA Advisory Circular 150/5340-latest edition, "Marking of Paved Areas on Airports," as applicable.
 2. The Contractor will furnish and erect all barricades, warning signs, and markings for hazards prior to commencing Work which requires such erection and will maintain the barricades, warning signs, and markings for hazards until their dismantling is directed by the Owner.
- Q. Maintenance of Devices and Barriers: Traffic control devices, warning devices, and barriers will be kept in the correct position, properly directed, clearly visible and clean, at all times. Damaged, defaced or dirty devices or barriers will immediately be repaired, replaced or cleaned as directed.

- R. Flagmen: The Contractor will provide competent flagmen to direct traffic where one-way operation in a single lane is in effect and in other situations as may be required by the standards established herein.
- S. Contractor Signing: The Contractor may furnish and install construction traffic directional signs along the existing traffic route. The signs will depict Contractor's logo or name, directional arrows and "deliveries". Signs will be of sufficient size to have 6" high lettering and will be located at each decision point. All signs and their locations will be approved by the Owner. NO OTHER SIGNS ARE PERMITTED ON OWNER PROPERTY. There will be no writing or signing on printed screen fences.
- T. Material Deliveries: The Contractor will make its own material and equipment deliveries. No deliveries will be made by vendors or suppliers without escort by a representative of the Contractor.
 - 1. Deliveries to the Baggage Claim Drive, if required, will be made between the hours of 1:00 a.m. and 8:00 a.m. and prescheduled with the Owner.
 - 2. Deliveries to the Ticket Level Drive, if required, will be made between the hours of 9:00 p.m. and 5:00 a.m. and prescheduled with the Owner.
 - 3. Deliveries for trafficking of materials and equipment within public areas of the Main Terminal Building or Long Term Parking Garage will be made only between the hours of 9:00 p.m. and 5:00 a.m.
 - 4. Deliveries and trafficking of materials and equipment within public areas of the Airside Terminal Building will be made only between the hours of 10:00 p.m. and 6:00 a.m.
 - 5. All trash is to be sealed and tied down in such a manner that it will not dirty the floor. The removal, in dustproof sealed containers, of debris will be scheduled the same as deliveries. Specific requirements will be covered at the Preconstruction Conference.
- U. Elevator Use: Existing passenger elevators and escalators will not be used. However, the existing "Service Elevator" may be used if requested.
- V. All dollies, floats, or other conveyances used for debris removal will be rubber tired, box type, and lined with plastic barrier to prevent debris falling from the cart. All carts are to be loaded within the confines of the dust barrier. Transport of debris through public spaces, if permitted, will be made only after coordination of times and routes with the Owner.
- W. Notification: On days when construction traffic is expected to be extra heavy or when oversized pieces of equipment are to be delivered, give the Owner a minimum of 72 hour notice prior to the event.
- X. Interference Request:
 - 1. The Contractor will be responsible for notifying the Owner in writing of, and

securing approval for, any and all interruptions or interference with traffic (pedestrian, automobile), or other necessary function of the Airport or any of the airlines.

2. The request will include a traffic control plan indicating barricades, arrow boards, variable message boards, lighting and flagmen where required.
3. Such notification will be made as soon as possible but in no case less than 48 hours prior to the interference.
4. The Contractor should utilize a standard form addressed to the Owner with a blank space for a description of the interference, the exact area affected, the exact times and dates the interference will take place and blanks for Owner's approval. The forms will be submitted in electronic format. No interference will be allowed until the Contractor has received back a copy of the approved interference request form.

Y. Personnel Traffic:

1. General: All construction personnel will be restricted to construction areas. They will wear shirts with sleeves and long pants at all times.
2. Walkways: When walking from the Contractor's parking lot to the job site, existing walkways and crossings will be used. The Contractor will not use vehicle traffic lanes as walkways.
3. Elevators/Escalators: Existing elevators and escalators will not be used at any time for the transporting of construction personnel or construction materials. The entry to all elevators will not be blocked at any time.
4. Use of Public Areas: The Contractor's workers will not utilize public areas for taking their "work breaks" or "lunch breaks." Areas for this purpose can be designated by the Owner upon request. No public toilets will be used by any workers at any time.
5. Use of Restaurants: The Contractor's workers will not use restaurants, lounges or other concession areas within the Airport, unless approved by the Owner.

Z. Character of Workers:

1. The Contractor will, at all times, employ sufficient labor and equipment for prosecuting the Work to full completion in the manner and time required by the Contract Documents.
2. All workers will have sufficient skill and experience to properly perform the Work assigned to them. Workers engaged in special Work or skilled Work will have sufficient experience in such Work, and in the operation of the equipment required, to perform the Work satisfactorily.
3. The failure to provide adequate labor and equipment may be considered cause

for terminating the Contract.

4. Any person employed by the Contractor or a subcontractor who, in the opinion of the Owner, does not perform their Work in a proper and skillful manner or is intemperate or disorderly, will, at the written request of the Owner, be removed forthwith by the Contractor or subcontractor employing such person and will not be employed again in any portion of the Work without the approval of the Owner.
5. Should the Contractor or subcontractor fail to remove such person or persons or fail to furnish suitable and sufficient personnel for the proper prosecution of the Work, the Owner may suspend the Work by written notice until compliance with such orders.
6. No firearms are permitted on Project site at any time.

1.05 METHODS AND EQUIPMENT

- A. All equipment which is proposed to be used on the Work will be of sufficient size and in such mechanical condition as to meet requirements of the Work and to produce a satisfactory quality of Work. Equipment used on any portion of the Work will be such that no injury to previously completed Work, adjacent property, or existing Airport facilities will result from its use.
- B. When the methods and equipment to be used by the Contractor in accomplishing the Work are not prescribed in the Contract, the Contractor is free to use any methods or equipment that will accomplish the Work in conformity with the requirements of the Contract Documents.
- C. When the Contract specifies the use of certain methods and equipment, such methods and equipment will be used unless others are authorized by the Owner. If the Contractor desires to use a method or type of equipment other than specified in the Contract, Contractor may request approval from the Owner to do so. The request will be in writing and will include a full description of the methods and/or equipment proposed and the reasons for desiring to make the change. If approval is given, it will be on the condition that the Contractor will be fully responsible for producing work in conformity with the Contract Documents. If, after trial use of the substituted methods or equipment, the Owner determines that the Work produced does not meet the Contract Documents, the Contractor will discontinue the use of the substitute method or equipment and will complete the remaining Work with the specified methods and equipment.
- D. The Contractor will remove any deficient Work and replace it with Work of specified quality, or take such other corrective action as the Owner may direct. No change will be made in basis of payment for items in the Contract involved or in Contract Time as a result of authorizing a change in methods or equipment under this Section.

1.06 HOURS OF WORK

- A. Work hours will comply with the Project Schedule requirements specified in Section 01315 - SCHEDULES, PHASING. In addition, the following limitations apply:

1. Work may proceed at any time (24 hours a day) unless otherwise indicated on Drawings with the following exceptions.
 - a. All Work in areas above and including suspended ceilings which are above areas open for access by the public, tenant, and non-construction personnel will be restricted to times when these areas are unoccupied, typically 12:00 p.m. midnight to 8:00 a.m.
 - b. All Work in areas above entrance roadways to the Long Term Garage will be restricted to periods between 10:00 p.m. and 5:00 a.m.
 - c. All Work in areas above roadways will be restricted to periods between 9:00 p.m. and 5:00 a.m. on the Ticket Level Drive and between 1:00 a.m. and 8:00 a.m. (after the last arriving flight) on the Baggage Claim Level Drive.
 - d. All Work in areas above exit roadways to the Long Term Parking Garage will be restricted to periods between 1:00 a.m. and 8:00 am.
 - e. Work involving total isolation (i.e. floor to the underside of the deck) of a site may proceed at any time (24 hours a day).
2. Disruptive Work will be defined as any activity (including excessive noise, air pollution [dust, etc.] and similar events) that adversely disrupts, hinders or impacts normal Airport operations. These activities will be conducted so as not to interfere with the normal operation of the Airport. Work which may be considered disruptive will be conducted by the Contractor during middle of the night hours as designated by the Owner. When directed by the Owner to cease Disruptive Work, the Contractor will immediately suspend and discontinue the Disruptive Work. Work will not be resumed until directed by the Owner. Contractor's claim for additional cost or additional Contract Time for suspending Disruptive Work will not be accepted.

1.07 DAILY CLEAN-UP AND TRASH REMOVAL

- A. Debris from Work will be promptly removed from the Project site at least daily. Debris will not be allowed to become a hazard to the safety of the public. Areas occupied by the Owner and Building Tenants will be kept clean at all times.
- B. The Contractor will be responsible for clean-up and trash removal. Accumulation of trash and debris will not be allowed and the Owner may at any time direct the Contractor to immediately remove its trash and debris from the site of the Work when, in the opinion of the Owner, such trash constitutes a nuisance or in any way hinders the Work or the Airport's operations. If the Contractor should fail to remove its trash and debris from the site of the Work in a timely manner, the Owner may have this Work performed and deduct the cost of such from Contractor's payment.

1.08 CLEANING AND PROTECTION

- A. General: During all Work at the Project Site, clean and protect Work in progress and adjoining Work on the basis of continuous daily maintenance. Apply protective covering on installed Work to ensure freedom from damage or deterioration.
- B. Clean and perform maintenance on installed Work as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.
- C. Limiting Exposures of Work: To the extent possible through appropriate control and protection methods, supervise performance of the Work in such a manner and by such means which will ensure that none of the Work, whether completed or in progress, will be subjected to harmful, dangerous, damaging or otherwise deleterious exposure during the construction period. Such exposures include, where applicable, but are not limited to, the following:
 - 1. Excessive static or dynamic loading.
 - 2. Excessive internal or external pressures.
 - 3. Excessive electrical loading.
 - 4. Solvents.
 - 5. Chemicals.
 - 6. Light.
 - 7. Puncture.
 - 8. Abrasion.
 - 9. Heavy Traffic.
 - 10. Soiling.
 - 11. Combustion.
 - 12. High speed operation, improper lubrication, unusual wear.
 - 13. Improper shipping or handling.
 - 14. Theft.
 - 15. Vandalism.
- D. Protection at Openings: Contractor will provide protection at all openings in structures and finishes to maintain the building weather and dust tight. All protection will be of solid material and substantial so that it will not be disturbed by wind and weather normal to the area and season, and will also be tight fitting to prevent noise infiltration.

E. Protection of Improvements:

1. Damage to Existing Facilities: Existing surfaces and materials of the Owner's property not requiring work by the Contract Documents that are damaged by the Contractor's operations will be immediately repaired. Repaired surfaces and materials will match existing adjacent undamaged surfaces and materials. Repair work will be coordinated with the Owner with regards to time and method.
2. All roads used by the Contractor during construction will be restored and/or replaced to their original condition.
3. Accidental Demolition: All structures or parts thereof that may become damaged due to accident or Contractor's error will be restored to their original condition at no cost to the Owner. Materials and equipment being used in the repair or replacement resulting from damage will be new and will perform at the manufacturer's published capacities. If the existing equipment or materials cannot be identified, or if unavailable, the selection of the replacement will be subject to approval by the Owner in writing.
4. New Carpet: Where new carpeting has been installed, Contractor will fully protect such new carpeting from all damage and staining by Contractor's forces and the Owner may deduct from the Contractor's Contract Sum such sums as may be necessary to cover the cost of repairing and replacing such new carpeting.

F. Owner's - Standards of Construction:

1. Hazardous Materials:
 - a. ANY PRODUCT OR MATERIAL THAT CONTAINS ASBESTOS MATERIAL WILL NOT BE PERMITTED ON THIS PROJECT.
 - b. ANY PAINT CONTAINING LEAD WILL NOT BE USED ON THIS PROJECT.
2. Building:
 - a. Materials and finishes used in the Work will have a fire rating at least equal to the rating required for the type of space in which the Work is to be performed.
 - b. No work will be performed which, when complete, will result in the degradation of the fire rating for the space.
 - c. Any penetration of existing ceilings or walls which will break the fire rating of the ceiling or wall will be patched to obtain the same fire rating and to the satisfaction of the Owner.
 - d. Any ceiling access panel now existing will remain in its present location and cannot be covered in a manner to prevent access.

- e. Any ceiling, other than Contractor's own space, that must be accessed or crossed from above will be done only with prior permission of the Owner.
 - f. Wood framing is prohibited for partitioning.
3. Electrical:
- a. All work will conform to applicable codes and standards.
 - b. All work will conform to the National Electric Code.
 - c. All work will conform to the City of Tampa Electric Code and a City of Tampa Electric Permit will be obtained and displayed at the work site.
 - d. In addition, the Owner requires:
 - (1) All temporary or permanent conductors (power, lighting, control or communication) to be placed in conduit or routed by way or existing approved cable trays.
 - (2) ALL CONDUITS AND RACEWAYS WILL BE CONCEALED. (Special permission may be granted for exposed conduit in shop areas or some other places that are completely removed from office, commercial, and public areas.)
 - (3) All items to be independently supported from the structural portion of the building. All items will be installed as close as possible to the structure; i.e., tight up against the structure. Conduits and raceways will be installed parallel to the building structural members. Conduits and raceways will not be located within 6-inches of other systems (HVAC ducts, chilled water lines, sprinkler lines, domestic water lines, bus ducts, etc.) and multiple runs of conduits or raceways will be routed together. Bus duct will be separately supported using manufacturer's standard equipment allowing for removal and inspection of all cover plates. Contractor will furnish drawings, prior to installation, showing layout and elevations of all multiple conduits, raceways, cable tray and bus duct routes.
 - (4) The Contractor to supply drawings showing all Work to be performed. Drawings will show new branch or feeder circuits and identify panel and breaker numbers where originating, size of conduit, size of wire, number of conductors and full load current.
 - (5) All conduits or raceways crossing expansion joints are to be equipped with expansion-type fittings. Cable extensions from raceway terminations will not exceed 5-feet. Sleeves will be

used when conduits pass through walls, floors and roofs and will be galvanized steel, sized to allow for a minimum 1/4-inch clearance. Fire rating integrity will be restored after penetration.

- (6) Flexible steel conduit is limited to final connections to motors and transformers and will be restricted to 18 to 36-inches in length. Flexible steel conduit may also be used to connect outlet boxes to recessed lighting fixtures in lengths not to exceed 4 to 6-feet.
- (7) Self-stripping electrical wire connectors are prohibited.
- (8) Fixtures mounted in suspended ceilings are to be supported independently of the ceiling. Fixtures will be supported on all four corners with near-vertical supports.
- (9) All lighting fixtures and signs are to be equipped with a renewable fuse in an external GLR holder.
- (10) A manufacturer's drawing is to be submitted on all new light fixtures showing type and size.
- (11) Existing lighting fixtures that are scheduled for removal will not be salvaged to the Owner, unless otherwise noted.
- (12) All restroom automatic sensor system components are to be low voltage 24V, without exception.
- (13) All new fire alarm, security/access control and other systems are to match existing. Coordinate with Owner, as required

G. Overhead Protection:

1. No cranes with or without loads or other construction equipment will cross over non-construction personnel, their travel ways which include but are not limited to, walkways, roadways, or passenger transfer system tracks.
2. The plan of operation of cranes and other hoisting equipment will be established in writing by the Contractor. This plan of operation will be subject to review by the Owner.
3. Specific areas affected by construction may require protective covering. These protection coverings will be adequate to insure the protection of life and property and the continuous operation of the Airport. The layout and location of the protective systems will be subject to review and rejection by the Owner. Structural integrity of protection systems will be the responsibility of the Contractor.
4. The use of helicopters to lift, place, or otherwise maneuver equipment is expressly prohibited.

1.09 CONSERVATION AND SALVAGE

A. General:

Contractor shall refer to the Owner's Sustainability Master Plan for Owner's conservation and salvage policies prior to the start of construction.

1. It is a requirement for supervision and administration of the Work that construction operations be carried out with the maximum possible consideration given to conservation of energy, water and materials. In addition, maximum consideration will be given to salvaging materials and equipment involved in performance of the Work but not incorporated therein.
2. Refer to other sections for required disposition of salvage materials which are the Owner's property.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF SECTION

SECTION 01370 - SCHEDULE OF VALUES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This Section includes requirements for preparation and submission of "Schedule of Values." The Owner may, at its sole discretion, pay Contractor percentage payments for Work complete, in lieu of Schedule of Values.
- B. Related work specified elsewhere:
 - 1. SCHEDULES, PHASING: Section 01315.
 - 2. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES: Section 01340.
 - 3. PRODUCTS AND SUBSTITUTIONS: Section 01605.
- C. Time Coordination: In coordination of initial submittals and other administrative start-up activities, the Contractor shall submit Schedule of Values to the Owner at earliest feasible date, but in no case later than seven days before initial payment request is to be submitted.
- D. Upon request by the Owner, the Contractor shall support values given with data that will substantiate their correctness.
- E. The Contractor shall use Schedule of Values only as a basis for the Contractor's Applications for Payment.

1.02 FORM OF SUBMITTAL

- A. The Contractor shall submit the Schedule of Values on AIA Document G-703 "Continuation Sheet", latest edition.
- B. The Contractor shall use Table of Contents of this Project Manual as basis for format for listing costs of Work for Sections under Divisions 01 through 50 of this Project Manual. The Contractor may provide additional breakdown of the Work in certain sections.
- C. The Contractor shall identify each line with number and title as listed in Table of Contents of this Specification.

1.03 PREPARING SCHEDULE OF VALUES

- A. The Contractor shall prepare a Schedule of Values in coordination with preparation of Progress Schedule. The Contractor shall correlate line items with other administrative schedules and forms required for Work, including progress schedule, payment request form, listing of subcontractors, schedule of allowances, schedule of alternatives, listing of products, principal suppliers and fabricators, and schedule of submittals.
- B. The Contractor shall provide a breakdown of the Contract Sum in sufficient detail to

facilitate continued evaluation of payment requests and progress reports. The Contractor shall breakdown principal separate Contract amounts into several line items. The Contractor shall round off to nearest whole dollar, but with total equal to Contract Sum.

- C. The Contractor shall submit three copies of Schedule of Values to the Owner.
- D. Listing: The Contractor shall arrange Schedule with columns to indicate generic name of item; related Specifications Sections; subcontractor, supplier, manufacturer, or fabricator; change orders which have affected value; dollar value of item; and percentage of Contract Sum to nearest 1/100% and adjusted to total 100%.
- E. Margins of Cost:
 - 1. The Contractor shall show line items of indirect costs and margins on actual costs, only to extent such items will be individually listed in payment requests.
 - 2. The Contractor shall establish each item in Schedule of Values and in payment requests to be complete with total expenses.
 - 3. Major cost items which are not directly cost of actual work-in-place, such as distinct temporary facilities, may be either shown as line items in Schedule of Values or distributed as general overhead expense.
- F. The Contractor shall itemize separate line item cost for Work required by each Section of this Specification including Section 00700, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION.
 - 1. The Cost of General Conditions of the Contract will be paid based on the percentage of the Work completed and this cost will appear in the Contractor's monthly Application for Payment.
- G. The Contractor shall break down installed costs into:
 - 1. Cost of product, delivered and unloaded at job site with taxes paid. (List under Column F, G-703).
 - 2. Total installed cost, with overhead and profit. (List under Column C, G-703).
- H. For each line item which has installed value of more than \$20,000.00, the Contractor shall break down costs to list major products or operations under each item.
- I. The Contractor shall round-off figures to nearest dollar.
- J. The Contractor shall make sum of total costs of all items listed in schedule equal to total Contract Sum.

1.04 REVIEW AND RESUBMITTAL

- A. After review by the Owner and Design Professional, revise and re-submit Schedule (and

Schedule of Material Value) as required.

- B. The Contractor shall re-submit revised schedule in same manner.
- C. Schedule Updating: The Contractor shall update and resubmit the Schedule of Values when Change Orders affect the listing and when actual performance of Work involves necessary changes of substance to values previously listed.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF SECTION

SECTION 01390 - CONTROL OF WORK

PART 1 - GENERAL

1.01 AUTHORITY OF THE OWNER

The Owner will decide any and all questions which may arise as to the quality and acceptability of materials furnished, work performed, and/or the manner of performance and rate of progress of the Work. The Owner will decide all questions which may arise as to the interpretation of the Contract Documents relating to the Work, the fulfillment of the Contract on the part of the Contractor, and the rights of different Contractors on the Project. The Owner will determine the amount and quality of the several kinds of work performed and materials furnished which are to be paid for the under the Contract.

1.02 CONFORMITY WITH DRAWINGS AND SPECIFICATIONS

- A. All Work and all materials furnished will be in reasonably close conformity with the lines, grades, grading sections, cross sections, dimensions, material requirements, and testing requirements that are specified, including specified tolerances, in the Contract Documents.
- B. If the Owner finds the materials furnished, Work performed, or the finished product not within reasonably close conformity with the Contract Documents but that the portion of the Work affected will, in Owner's opinion, result in a finished product having a level of safety, economy, durability, and workmanship acceptable to the Owner, the affected Work may be accepted and remain in place at the Owner's sole discretion. In this event, the Owner will document its determination and provide for an adjustment in the Contract Sum for the affected portion of the Work. The Owner's determination and Contract Sum adjustments will be based on good engineering judgment and such tests or retests of the affected Work as are, in Owner's opinion, needed. Changes in the Contract Sum will be covered by Contract modifications as applicable.
- C. If the Owner finds the materials furnished, Work performed, or the finished product are not in reasonably close conformity with the Contract Documents and have resulted in an unacceptable finished product, the affected Work or materials will be removed and replaced or otherwise corrected by, and at the expense of, the Contractor in accordance with the Owner's written orders.
- D. For the purpose of this section, the term "reasonably close conformity" will not be construed as waiving the Contractor's responsibility to complete the Work in accordance with the Contract Documents. The term will not be construed as waiving the Owner's right to insist on strict compliance with the Contract Documents during the Contractor's prosecution of the Work, when, in the Owner's opinion, such compliance is essential to provide an acceptable finished portion of the Work.
- E. For the purpose of this section, the term "reasonably close conformity" is also intended to provide the Owner with the authority to use good architectural and engineering judgment in its determinations as to acceptance of Work that is not in strict conformity but will provide a finished product equal to or better than that intended by the requirements of the Contract Documents.

1.03 COORDINATION OF CONTRACT DOCUMENTS

- A. The Contract Documents and all referenced standards cited are essential parts of the Contract requirements. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide the complete Work. In case of discrepancy, figured dimensions, unless obviously incorrect, will govern over scaled dimensions. Cited standards for materials or testing and cited FAA advisory circulars will be considered as Standard Specifications.
- B. Any table, gradation, size, dimension, rate, mix, method, nomenclature, pay item number, basis of payment or method of measurement shown on the Drawings, which is in variance with the Standard Specifications, will be considered an amendment or supplement to the applicable Specification.
- C. The Contractor shall not take advantage of any apparent error or omission on the various Contract Documents. In the event the Contractor discovers any apparent conflict, error or discrepancy, Contractor shall immediately call upon the Owner for the Owner's interpretation and decision, and such decision shall be final.
- D. From time to time, discrepancies within cited standards for testing occur due to the timing of changing, editing, and replacing of standards. In the event the Contractor discovers any apparent discrepancy within standard test methods, the Contractor shall immediately call upon the Owner for interpretation and decision, and such decision shall be final.

1.04 DRAWINGS

- A. The Drawings furnished by the Owner consist of general drawings showing such details as are necessary to give a comprehensive idea of the Work. Roadway Drawings will show, in general, alignment, profile grades, typical cross sections and general cross sections. Structure Drawings, in general, will show in detail all dimensions of the Work contemplated.
- B. When the Structure Drawings do not show dimensions in detail, they will show general features and such details as necessary to give a comprehensive idea of the structure.
- C. Not all conflicts are known within the Project area. Not all conflicts are shown on the Drawings. The Contractor is solely responsible for the location and protection of all equipment and facilities which are to remain in service and in place during and after all Project Work.

1.05 FIELD NOTES

Adequate field notes and records will be kept as layout work is accomplished. These field notes and records will be available for review by the Owner as the Work progresses and copies will be furnished to the Owner at the time of completion of the Project. An inspection or checking of the Contractor's field notes or layout work by the Owner, and the acceptance of all or any part thereof will not relieve the Contractor of its responsibility to achieve the lines, grades, and dimensions shown in the Drawings and Specifications.

1.06 AUTHORITY AND DUTIES OF INSPECTORS

- A. Inspectors employed by the Owner will be authorized to inspect all Work done and all materials furnished. Such inspection may extend to all or any part of the Work and to the preparation, fabrication, or manufacture of the materials to be used. Inspectors are not authorized to revoke, alter, or waive any provision of the Contract. Inspectors are not authorized to issue instructions contrary to the Drawings and Specifications or to act as foreman for the Contractor.
- B. Inspectors employed by the Owner are authorized to notify the Contractor or its representatives of any failure of the Work or materials to conform to the requirements of the Contract, Drawings, or Specifications and to reject such nonconforming materials until such issues can meet Owner's approval.

1.07 INSPECTION OF THE WORK

- A. All materials and each part or detail of the Work will be subject to inspection by the Owner. The Owner will be allowed access to all parts of the Work and will be furnished with such information and assistance by the Contractor as is required to make a complete and detailed inspection.
- B. If the Owner requests it, the Contractor, at any time before acceptance of the Work, will remove or uncover such portions of the finished Work as may be directed. After examination, the Contractor will restore said portions of the Work to the standard required by the Specifications. Should the Work thus exposed or examined prove acceptable, the uncovering or removing and the replacing of the covering or making good of the parts removed will be paid for as extra work. Should the Work so exposed or examined prove unacceptable, the uncovering or removing and the replacing of the covering or making good of the parts removed will be at the Contractor's expense.
- C. Any Work done or materials used without supervision or inspection by the Owner may be ordered removed and replaced at the Contractor's expense unless the Owner or Design Professional failed to inspect after having been given reasonable notice in writing that the Work was to be performed.
- D. Should the Contract Work include relocation, adjustment, or any other modification to existing facilities not the property of the Owner, authorized representatives of the owners of such facilities will have the right to inspect such Work. Such inspection will in no way make any facility owner a party to the Contract, and will in no way interfere with the rights of the parties to this Contract. Inspection and/or approval of the Work or any portion thereof will not relieve the Contractor of responsibility for faulty materials or workmanship.

1.08 REMOVAL OF UNACCEPTABLE AND UNAUTHORIZED WORK

- A. All Work which does not conform to the requirements of the Contract Documents will be considered unacceptable, unless otherwise determined acceptable by the Owner as provided in Item 1.02 CONFORMITY WITH DRAWINGS AND SPECIFICATIONS of this Section.

- B. Unacceptable Work, whether the result of poor workmanship, use of defective materials, damage through carelessness, or any other cause found to exist prior to the Final Completion of the Work, will be removed immediately and replaced in an acceptable manner in accordance with the provisions of Section 00700, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, PART 11, UNCOVERING AND CORRECTION OF WORK, as modified.
- C. Work done contrary to the instructions of the Owner, work done beyond the lines shown on the Drawings or as given, except as herein specified, or any extra work done without authority, will be considered as unauthorized and will not be paid for under the provisions of the Contract. Work so done may be ordered removed or replaced at the Contractor's expense.
- D. Upon failure on the part of the Contractor to comply with any order of the Owner made under the provisions of this Section, the Owner will have authority to cause unacceptable work to be remedied or removed and replaced and unauthorized work to be removed and to deduct the costs (incurred by the Owner) from any monies due or to become due the Contractor.

1.09 MAINTENANCE DURING CONSTRUCTION

The Contractor will maintain the Work during construction and until the Work is accepted. This maintenance will constitute continuous and effective work prosecuted day by day, with adequate equipment and forces so that the Work is maintained in satisfactory condition at all times. All Work will be protected during any delay between phases or sub-phases of construction required to complete the Work.

1.10 FAILURE TO MAINTAIN THE WORK

- A. Should the Contractor at any time fail to maintain the Work as provided in Item 1.09 MAINTENANCE DURING CONSTRUCTION of this Section, the Owner or Design Professional will immediately notify the Contractor of such noncompliance. Such notification will specify a reasonable time within which the Contractor will be required to remedy such unsatisfactory maintenance condition. The time specified will give due consideration to the urgency that exists.
- B. Should the Contractor fail to respond to the Owner's or Design Professional's notification, the Owner may suspend any work necessary for the Owner to correct such unsatisfactory maintenance condition, depending on the urgency that exists. Any maintenance cost incurred by the Owner will be deducted from monies due or to become due the Contractor.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF SECTION

SECTION 01400 - QUALITY CONTROL SERVICES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. General: Required inspection and testing services are intended to assist the Owner in the determination of probable compliance of the Work with requirements specified or indicated. These required services do not relieve the Contractor of responsibility for compliance with these requirements or for compliance with requirements of the Contract Documents.
- B. Definitions: Quality control services include inspections and tests and related actions including reports performed by independent agencies and governing authorities, as well as directly by the Contractor or independent agencies retained by the Contractor. These services do not include Contract enforcement activities performed directly by the Owner.
1. Specific quality control requirements for individual units of work are specified in the Contract Documents. These requirements, including inspections and tests, cover both production of standard products and fabrication of customized work. These requirements also cover quality control of the installation procedures.
 2. Inspections, tests and related actions specified in this Section and elsewhere in the Contract Documents are not intended to limit the Contractor's own quality control procedures which facilitate overall compliance with requirements of the Contract Documents. Requirements by the Owner, governing authorities or other authorized entities for the Contractor to provide quality control services are not limited by the provisions of this Section.
- C. Quality Control: When the Contract specifies the use of certain methods and equipment, such methods and equipment will be used unless others are authorized by the Owner.
1. If the Contractor desires to use a method or type of equipment other than specified in the Contract, Contractor may request authority from the Owner to do so. The request will be in writing and will include a full description of the methods and equipment proposed and the reasons for desiring to make the change. If approval is given, it will be on the condition that the Contractor will be fully responsible for producing work in conformity with the Contract Documents.
 2. If, after trial use of the substituted methods or equipment, the Owner determines that the Work produced does not meet Contract requirements, the Contractor will discontinue the use of the substitute method or equipment and will complete the remaining Work with the specified methods and equipment.
 3. The Contractor will remove all deficient work and replace it with work of specified quality, or take such other corrective action as the Owner may direct.

No change will be made in the Contract Sum or in Contract Time as a result of authorizing a change in methods or equipment under this subsection.

- D. Source of Supply and Quality Requirements: The materials used on the Work will conform to the requirements of the Contract Documents. Unless otherwise specified, such materials that are manufactured or processed will be new (as compared to used or reprocessed). Modifications to existing materials will be done in accordance with manufacturer's recommendations and/or the drawings.
1. In order to expedite the inspection and testing of materials, the Contractor will furnish complete statements to the Owner as to the origin, composition, and manufacture of all materials to be used in the Work. Such statements will be furnished promptly after execution of the Contract but, in all cases, prior to delivery of such materials.
 2. At the Owner's option, materials may be approved at the source of supply before delivery is stated. If it is found after trial that sources of supply for previously approved materials do not produce specified products, the Contractor will furnish materials from other sources.
 3. In addition, where an FAA Specification for airport lighting equipment is cited in the plans or Specifications, the Contractor will furnish such equipment that is:
 - a. Listed in FAA Advisory Circular (AC) 150/5345-1, Approved Airport Equipment, that is in effect on the date of advertisement; and
 - b. Produced by the manufacturer qualified (by FAA) to produce such specified and listed equipment.
- E. Samples, Tests, and Cited Specifications: All materials used in the Work may be inspected and/or tested by the Owner before incorporation in the Work. Any Work in which untested materials are used without approval or written permission of the Owner will be performed at the Contractor's risk. Materials found to be unacceptable and unauthorized will not be paid for and, if directed by the Owner, will be removed at the Contractor's expense. Unless otherwise designated, tests in accordance with the cited standard methods of AASHTO or ASTM, Federal Specifications, Commercial Item Descriptions, and all other cited methods which are current on the date of this Contract will be made by and at the expense of the Contractor. Samples will be taken by a qualified representative of the Contractor. All materials being used are subject to inspection, test, or rejection at any time prior to or during incorporation into the Work. Copies of all tests will be furnished to the Owner and Design Professional. Contractor will furnish the required samples without charge. Contractor will give sufficient notification of the placing of orders for materials to permit testing.
1. No approval of materials by the Owner or other representative of the Owner will relieve the Contractor of its obligation to provide and use materials that conform in all respects with the Contract requirements, and if the Contractor chooses to rely on the results of such tests or such approvals as evidence or

indication that the materials supplied do in fact so conform, the Contractor does so at its sole risk.

- F. Certification of Compliance: The Design Professional may permit the use, prior to sampling and testing, of certain materials or assemblies when accompanied by manufacturer's certificate(s) of compliance stating that such materials or assemblies fully comply with the requirements of the Contract. The certificate(s) will be signed by the manufacturer. Each lot of such materials or assemblies delivered to the Project must be accompanied by a certificate of compliance in which the lot is clearly identified.
1. Materials or assemblies used on the basis of certificate(s) of compliance may be sampled and tested at any time and if found not to be in conformity with Contract requirements will be subject to rejection whether in place or not.
 2. The form and distribution of certificate(s) of compliance will be as approved by the Design Professional and the Owner.
 3. When a material or assembly is specified by "brand name or equal" and the Contractor elects to furnish the specified "brand name," the Contractor will be required to furnish the manufacturer's certificate of compliance for each lot of such material or assembly delivered to the Work. Such certificate of compliance will clearly identify each lot delivered and will certify as to:
 - a. Conformance to the specified performance, testing, quality or dimensional requirements; and,
 - b. Suitability of the material or assembly for the use intended in the Contract.
 4. Should the Contractor propose to furnish an "or equal" material or assembly, Contractor will furnish the manufacturer's certificates of compliance as hereinbefore described for the specified brand name material or assembly. However, the Owner will be the sole judge as to whether the proposed "or equal" is suitable for use in the Work.
 5. The Owner reserves the right to refuse permission for use of materials or assemblies on the basis of certificate(s) of compliance.
- G. Plant Inspection: The Owner or its authorized representative may inspect, as its source, any specified material or assembly to be used in the Work. Manufacturing plants may be inspected from time to time for the purpose of determining compliance with specified manufacturing methods or materials to be used in the Work and to obtain samples required for Contractor's acceptance of the material or assembly.
1. Should the Owner or its authorized representative conduct plant inspections, the following conditions must exist:
 - a. The Owner or its authorized representative will have the cooperation and

assistance of the Contractor and the producer with whom Contractor has contracted for materials.

- b. The Owner or its authorized representative will have full entry at all reasonable times to such parts of the plant that concern the manufacture or production of the materials being furnished.
- c. If required by the Owner or its authorized representative, the Contractor will arrange for adequate office or working space that may be reasonably needed for conducting plant inspections. Office or working space should be conveniently located with respect to the plant.

2. It is understood and agreed that the Owner will have the right to retest any material which has been tested and approved at the source of supply after it has been delivered to the Project Site. The Owner or its authorized representative will have the right to reject only material which, when retested, does not meet the requirements of the Contract Documents.

H. Storage of Materials: Materials will be so stored as to assure the preservation of their quality and fitness for the Work. Stored materials, even though approved before storage, may again be inspected prior to their use in the Work. Stored materials will be located so as to facilitate their prompt inspection. The Contractor will coordinate the storage of all materials with the Owner. Materials to be stored on airport property will not create an obstruction to air navigation nor will they interfere with the free and unobstructed movement of aircraft. Unless otherwise shown on the drawings, the storage of materials and the location of the Contractor's plant and parked equipment or vehicles will be as directed by the Owner. Private property will not be used for storage purposes without written permission of the Owner or lessee of such property. The Contractor will make all arrangements and bear all expenses for the storage of materials on private property. Upon request, the Contractor will furnish the Owner a copy of the property Owner's permission.

1. All storage sites on private or airport property will be restored to their original condition by the Contractor at the Contractor's entire expense, except as otherwise agreed to (in writing) by the owner or lessee of the property.

I. Unacceptable Materials: Any material or assembly that does not conform to the requirements of the Contract Documents will be considered unacceptable and will be rejected. The Contractor will remove any rejected material or assembly from the site of the Work, unless otherwise instructed by the Owner.

1. Rejected material(s) or assembly(ies) that have been corrected by the Contractor will not be returned to the site of the Work until such time as the Owner has approved its use in the Work.

1.02 TESTING BORNE BY THE CONTRACTOR

A. All initial testing costs will be borne by the Contractor. An independent testing

laboratory selected by and responsible to the Contractor, and acceptable to the Owner will perform all testing required by the Contract Documents or other testing as directed by the Owner.

- B. The Contractor will also bear the cost of testing:
1. If substitute materials or equipment are proposed by the Contractor, Contractor will pay the cost of all tests which may be necessary to satisfy the Owner that Specification requirements are satisfied. The Contractor will pay for the Owner's time spent in review and administration of such proposed substitution.
 2. If materials or workmanship are used which fail to meet Specification requirements, the Contractor will pay the cost of all testing and retesting deemed necessary by the Owner to determine the safety or suitability of the material or element.
 3. The Contractor will pay for all testing costs including, but not limited to, power, fuel, and equipment costs which may be required for complete testing of all equipment and systems for proper operation.
 4. The Contractor will pay for all standby time required when operations are delayed by the Contractor.

1.03 RETEST RESPONSIBILITY

Where results of required inspections, tests or similar services prove unsatisfactory and do not indicate compliance of related work with the requirements of the Contract Documents, then the cost of all retests are the responsibility of the Contractor. The cost of retesting of Work revised or replaced by the Contractor is the Contractor's responsibility where required tests were performed on original Work.

1.04 RESPONSIBILITY FOR ASSOCIATED SERVICES

- A. The Contractor is required to cooperate with the agencies performing required inspections, tests and similar services. Provide such auxiliary services as are reasonably requested. Notify the testing agency sufficiently in advance of operations to permit assignment of personnel. These auxiliary services include but are not necessarily limited to the following:
1. Providing access to the Work.
 2. Taking samples or assistance with taking samples.
 3. Delivery of samples to testing laboratories.
 4. Security and protection of samples and test equipment at the Project site.

1.05 COORDINATION

The Contractor will coordinate with each agency engaged to perform inspections, tests and similar services for the Project and will coordinate the sequence of activities so as to accommodate required services with a minimum of delay in the progress of the Work. In addition, the Contractor will coordinate the Work so as to avoid the necessity of removing and replacing work to accommodate inspections and tests. The Contractor is responsible for scheduling times for inspections, tests, taking of samples and similar activities. The testing will not be used as justification for claims for extension of Contract Time.

1.06 QUALITY ASSURANCE

Qualification for Service Agencies: Except as otherwise indicated, Contractor will only engage inspection and test service agencies, including independent testing laboratories, which are prequalified as complying with "Recommended Requirements for Independent Laboratory Qualification" by the American Council of Independent Laboratories, and which are recognized in the industry as specialized in the types of inspections and tests to be performed.

1.07 SUBMITTALS

- A. General: Refer to Section 01340 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES for the general requirements on submittals. The Contractor will submit directly to the Owner a certified written report in triplicate of each inspection, test or similar service, performed by or on behalf of the Contractor. Contractor will also submit additional copies of each written report directly to a governing agency, when the agency so directs.
- B. Report Data: Written reports of each inspection, test or similar service will include the following:
 - 1. Name of testing agency or test laboratory.
 - 2. Dates and locations of samples, tests and/or inspections.
 - 3. Names of individuals making the inspection, sample and/or test.
 - 4. Designation of the Work and test method. Complete inspection or test data.
 - 5. Test inspection and/or sample results.
 - 6. Interpretations of test sample and/or inspection results.
 - 7. Notation of significant ambient conditions at the time of sample-taking, testing and/or inspection.
 - 8. Comments or professional opinion as to whether inspected, sampled and/or tested Work complies with requirements of the Contract Documents.
 - 9. Recommendations on retesting, if applicable.
 - 10. Log of previous deficiencies and status thereof.

11. Other requirements as stated in the Specifications.

1.08 INSPECTION OF CONDITIONS

- A. **Installer's Inspection of Conditions:** The Contractor shall require the installer of each major unit of Work to inspect the substrate to receive Work and conditions under which the Work is to be performed. The installer will report all unsatisfactory conditions in writing to the Contractor. The Contractor shall not proceed with the Work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- B. **Manufacturer's Instructions:** Where installations include manufactured products, the Contractor shall comply with the manufacturer's applicable instructions and recommendations for installation, to the extent that these instructions and recommendations are more explicit or more stringent than requirements indicated in the Contract Documents.
- C. The Contractor shall inspect each item of material or equipment immediately prior to installation. The Contractor shall reject damaged and defective items.
- D. The Contractor shall provide attachment and connection devices and methods for securing Work. The Contractor shall secure Work true to line and level and within recognized industry tolerances. The Contractor shall allow for expansion and building movement. The Contractor shall provide uniform joint width in exposed Work. The Contractor shall arrange joints in exposed Work to obtain the best visual effect to the satisfaction and approval of the Owner and Design Professional. Refer questionable visual-effect choices to the Owner and Design Professional for final decision.
- E. The Contractor shall recheck measurements and dimensions of the Work as an integral step of starting each installation.
- F. The Contractor shall install each unit of Work during weather conditions and project status which will insure the best possible results in coordination with the entire Work. The Contractor shall isolate each unit of Work from incompatible Work as necessary to prevent deterioration.
- G. The Contractor shall coordinate enclosure of the Work with required inspections and tests so as to minimize the necessity of uncovering Work for that purpose.
- H. **Mounting Heights:** Where mounting heights are not indicated, the Contractor shall mount individual units of Work at industry recognized standard mounting heights for the particular application indicated. The Contractor shall refer questionable mounting height choices to the Owner for final decision.

1.09 REPAIR AND PROTECTION

General: Upon completion of inspection, testing, sample-taking and similar services performed on the Work, the Contractor shall repair damaged Work and restore substrates and finishes to eliminate deficiencies, including deficiencies in the visual qualities of exposed finishes. The

Contractor shall comply with requirements of Section 01045 - CUTTING AND PATCHING. The Contractor shall protect Work exposed by or for quality control service activities and protect repaired Work. Repair and protection will be the Contractor's responsibility, regardless of the assignment of responsibility for inspection, testing or similar services.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF SECTION

SECTION 01520 - TEMPORARY SIGNAGE

PART 1 - GENERAL

1.01 DESCRIPTION

Contractor shall provide all Work including all equipment, appliances, labor, materials, related electrical work, transportation and all operations required to provide temporary signs as specified herein or as instructed by the Owner.

1.02 QUALITY ASSURANCE

A. Qualifications:

1. Contractor will submit evidence of having successfully completed a contract of similar nature and magnitude and will have at least five years of documented experience in the type of Work specified herein.
2. Where special job conditions occur or where there is uncertainty as to interpretation, before execution of the Work, Contractor will request clarification from the Owner in writing.
3. Contractor will visit the Project site to determine specific installation and job conditions.
4. Commencement of work will constitute an unqualified acceptance by the Contractor of the installed Work on which signage work depends and that work as installed is suitable for the satisfactory execution of signage work.

B. Requirements of Regulatory Agencies:

1. Work performed under this Section will be strictly governed by local and state authorities of this expertise.
2. Maintain safety amongst persons employed in accordance with latest standards set by OSHA.

1.03 SUBMITTALS

A. In accordance with Section 01340 - SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES, submit the following:

1. Shop Drawings
 - a. Submit Shop Drawings for review prior to fabrication of all items furnished under this Contract.
 - b. Submit Shop Drawings for approval prior to fabrication of all items furnished under this Contract.
 - c. Exact identification of all paint formulas and colors.

2. Contractor will not order any materials or perform any construction, demolition or fabrication until all submittals have been reviewed and approved.
3. Any construction, demolition or fabrication performed or materials ordered prior to the approval of the prototypes will be done at the Contractor's own risk and expense.
4. Approval by the Design Professional of the Contractor's submittal relates to the requirements for design and compliance with the Contract Documents only.
5. Approval does not relieve the Contractor from responsibility for errors in dimension or for inadequate or improper use of materials for construction.

1.04 SEQUENCING AND COORDINATION

Integrate and schedule coordination of removal, installation and all work related to signage with other related trades.

1.05 REMOVAL AND STORAGE

- A. This portion of the Work will be included in the Contract Sum and not included in the Allowance.
- B. Contractor will remove and reuse all existing signage in accordance with the Contract Documents.
- C. All signs, extrusions, graphic or signage material will be carefully disassembled, removed from premises and stored by the Contractor prior to refurbishing and reinstallation.
- D. All signs, extrusions, graphic or signage material will be carefully protected with wrapping material and will be on palettes, platforms or other support structures and not stored directly on the floor during construction operations.
- E. All signs, extrusions, graphic or signage materials will not be exposed to damaging conditions or abrasion during removal, storage, fabrication, delivery or installation.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. To establish a standard of quality, design, and function desired, portions of the Contract Documents have been based on the products of manufacturers mentioned hereafter.
- B. All materials shown on the Contract Documents will be of the best quality products available.
- C. All additional parts necessary to complete fabrication and installation will be furnished by the Contractor.
- D. Should conflicts occur in or between the Drawings, sign schedules, Specifications and on-site conditions, Contractor shall notify Owner and Contractor is deemed to have

included under the Contract Sum the more expensive item or method of construction.

E. All message patterns will be die cut.

2.02 VINYL SHEETING (for lettering and Authority Logos)

- A. Manufacturer: 3M Traffic Controls Divisions or equal
2860 Bankers Industrial Drive
Atlanta, GA 30360
- B. Type: "Scotchlite" Reflective Sheeting Engineer Grade or equal
Parkway White 3290 (for lettering) and
Blue and Red for logos.
- C. Thickness: 3.5 Mils
- D. Adhesive Backing: Continuous pressure sensitive backing manufactured by
Minnesota Mining and Manufacturing Company or equal.

2.03 POLYURETHANE PAINTS - EXTERIOR

- A. Manufacturer: Sherwin Williams
- B. Type: Acrylic polyurethane

2.04 PLYWOOD

- A. Manufacturer: Simpson or equal
- B. Type: MDO

2.05 WOOD

- A. All wood will be kiln dried, select furniture of quality A or better, for all exposed surfaces.
- B. Interior wood blocking or framing will be kiln dried, Wolmanized "B" grade or better.

PART 3 - EXECUTION

3.01 GENERAL

- A. Where adhesive mounting is specified, only adhesives specifically recommended by the manufacturer for compatibility with the base materials and adhesive strength will be used.
- B. Sign material lamination will utilize proper adhesives and will be smooth, consistent and free of bubbles, bulging and foreign matter.
- C. All message pattern applications will be crisp, sharp, clean and free of nicks, discontinuous curves, line wavers and other imperfections.

- D. All finished work will be smooth, free of scratches, gouges and other imperfections. Sign edges will be straight, smooth, free of cutting marks and other defects.
- E. Contractor will repair and replace damaged materials or signs caused by installer or any other related trades.
- F. Contractor will coordinate with other related trades the removal and installation of signage and components to insure uninterrupted progress of Work.

3.02 FABRICATION

- A. All Work will be fabricated to approved Shop Drawings.
- B. All cuffing, fabrication, and assembly will be done in the factory and shipped to the Project site as one complete unit, unless otherwise approved by the Owner.
- C. All joints, corners, miters, splices, or signage will be accurately machined, filled, fitted and rigidly framed together at joints and contact points and will be painted smooth to produce a monolithic appearance with visually imperceptible joints.
- D. All mechanical fasteners will be counter-sunk, filled, ground smooth, and painted as to render them visually imperceptible, unless otherwise specified as exposed.
- E. The heads of removable mounting fasteners will match the color and finish of the sign area where they occur.
- F. Work will be erected plumb, level, and true, with proper alignment and proper relationship to the work of the trades.
- G. All priming, surface preparation and paint application will be in accordance with the manufacturer's written data, description and instruction.
- H. All signs will be flat, true, and free from waviness. All exposed surfaces will not deviate from flat by more than 1/16 inch in any 36 inch distance.

3.03 MESSAGE PATTERNS

- A. The Contractor will fabricate sign text from master alphabet and master symbols approved by the Owner and Design Professional. Interior signage will be Furtiger 65 Bold at 106% spacing and exterior signage will be Furtiger 55 Roman at 106% spacing.
- B. Full size message patterns for each sign will be prepared by the Contractor. These patterns will be used for correction and/or additions prior to fabrication. Changes will be considered as part of the scope of work.
- C. All vinyl message patterns used for final sign application will be die cut and not hand cut from vinyl, unless otherwise approved by the Design Professional in writing.
- D. Sign text mechanicals are not to be enlarged for position only and are not to be used for photographic reproduction.

- E. All panel or background sizes will be full size showing seam placement.
- F. Full scale message patterns will be submitted on paper showing proper size of the alphabet, airport logo or any other message legend. Hand drawn patterns are not acceptable.

3.04 LETTER FORMS AND SYMBOLS

- A. Letter forms for all signs will match existing airport sign letter forms and symbol standards.
- B. All letter forms and symbols will be free of nicks, burns, cuts, bubbles and any other irregularities.
- C. All symbols or forms used for final sign application or final finishing will be die cut. Hand cut letters or symbols are not acceptable.

3.05 MATERIALS CLEANING AND INSTALLATION

- A. Examine backup surfaces to determine that corners are plumb and straight, surfaces are smooth, uniform, clean and free from foreign matter, nails countersunk, and holes, joints and cracks filled flush and smooth with adjoining surface prior to attaching signage.
- B. Do not commence installation until backup materials are in a condition satisfactory to the Contractor to receive surfacing.
- C. Applications of adhesives should comply with adhesive manufacturer's application instructions on the container regarding:
 - 1. Method of application
 - 2. Spread rate
 - 3. Drying-time
 - 4. Open time
 - 5. Temperature and relative humidity limitations.

3.06 VINYL SHEETING AND DIE CUTS

- A. Text material for finished letter form, symbol or friskets on all signs, unless otherwise noted, will be die-cut pressure sensitive and will be pre-aligned and pre-spaced on carrier tape according to the sign text layouts.
- B. Hand cut finished letter forms, symbols or friskets will not be accepted.
- C. Vinyl sign text material for all sign types will be die cut and conform to the prescribed letter forms with a tolerance of +.015 inches and will be free of irregularities such as

nicks, burrs, broken points and discontinuous curves.

- D. All letter sizes indicated on the sign text layouts will be determined by the letter height of the capital "B."
- E. All letters, symbols and targets will be pre-aligned and pre-spaced on carrier tape in accordance with the spacing guides.
- F. The colors will be as specified and will not be limited to manufacturer's standard colors.
- G. All vinyl sign text will be installed as per written instructions and recommendations of the manufacturer.
- H. All surfaces receiving application of vinyl sign text will first be cleaned of all dirt and/or accumulated foreign matter.

3.07 PAINTS AND INKS

- A. All paints and inks will be of type specially formulated and manufactured for application on the surface material upon which it is to be applied and recommended for such use by the manufacturer on the paint or ink.
- B. Priming, surface preparation and application of all materials will be in strict accordance with manufacturer's written product data and description and as otherwise necessary to produce data with a finish free of blistering, bleeding, fading and other imperfections.
- C. Order or mix paint for each color in quantity to assure consistent application for all signs in a given color.
- D. All paint and ink colors and samples will match specified manufacturer's color number, swatches and/or samples supplied by the Owner and will be as selected and approved by the Owner during shop drawing review.
- E. All paint colors will be consistent in chroma and value and will maintain proper opacity or translucency.
- F. All paint and inks will be of the finest quality of heat, moisture and fade proof pigments and vehicles. For each color specified on sign schedule, paint will be mixed in sufficient quantity to accommodate every sign application of the specified color.
- G. The Contractor will allow paint surfaces to air dry 48 hours prior to the application of masking film which will be applied to protect all sign surfaces during shipping and erection.

3.08 PAINTING APPLICATION

All painting and spraying will be performed in well ventilated conditions and all precautions taken as necessary and as recommended by the paint manufacturer.

3.09 TEMPORARY SIGNAGE

- A. Temporary signage will conform to all conditions, Specifications and Drawings.
- B. All temporary signage will be finished to appear as permanent signage.
- C. All cuts and rounded edges will be smooth sanded prior to painting.
- D. All edges will be painted to match the front of sign as per painting specifications.
- E. Backs of sign will be painted where installation of sign shows exposed back.
- F. Refer to Owner's Allowances Section for temporary signage allocation.

3.10 CLEANUP

- A. The Contractor will be obliged to keep all areas and items clean, neat, and free of waste material, dirt and debris during construction and installation.
- B. After installation is complete, remove and dispose of all packing, packaging, waste materials and debris.
- C. All areas and items will be left clean and free from marks, scratches, dust, lint and other defects.

END OF SECTION

SECTION 01540 - CONSTRUCTION SAFETY AND SECURITY REQUIREMENTS

PART 1 – GENERAL

1.01 PURPOSE AND OBJECTIVE

- A. The purpose of this section is to set forth guidelines concerning construction and safety during construction of the Project. Described herein are methods, procedures, rules and authorities to be adhered to during said construction period. In the event the Owner implements an Owner Controlled Insurance Program (OCIP), the Hillsborough County Aviation Authority Construction Safety & Health Guidelines Manual shall apply. The Contractor shall also comply with all safety requirements herein, unless in direct conflict with the Hillsborough County Aviation Authority Construction Safety & Health Guidelines Manual; in such case, the more stringent requirements will govern, as determined by Owner.
- B. The following are the general safety objectives that must be achieved in order to maximize safety and to minimize time and economic loss to the aviation community, construction contractors and others directly affected by the Project.
 - 1. Keep the Airport operational for all users.
 - 2. Minimize delays to Airport operations.
 - 3. Maintain safety of Airport operations.
 - 4. Minimize delays to construction operations.
 - 5. Minimize Airport-operation/construction-activity conflicts.

1.02 OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION

- A. All of Contractor's operations will be conducted in accordance with this Section. If the operations include work within the AOA or impacts the AOA or aircraft flight surfaces, the operations will be conducted in accordance with the current version of Advisory Circular 150/5370-2. The Contractor will prepare and submit a safety plan that details how it proposes to comply with the requirements when working.
- B. The Contractor will implement all necessary measures required by the safety plan prior to commencement of any work activity. The Contractor will conduct routine checks of the safety plan measures to assure compliance with the safety plan.
- C. The Contractor is responsible to the Owner for the conduct of all subcontractors it employs on the Project. The Contractor will assure that all subcontractors are made aware of the requirements of the safety plan and that they implement and maintain all necessary measures.
- D. No deviation or modifications may be made to the approved safety plan unless approved in writing by the Owner.

- E. This Contract is intended to provide for the optimum degree of safety to aircraft, both parked and operating; Airport personnel, passengers and general public, equipment, and associated facilities; and to the Contractor's operations consistent with minimum interference to the movement of aircraft, vehicles, and/or personnel engaged in the day-to-day operation of the Airport. To this end, the Contractor will observe all Airport rules and regulations and all other operational limitations which may be imposed from time to time. Contractor will provide marking, lighting, barricades, signs, or other measures which are required to properly identify Contractor's construction areas, Work sites, equipment, vehicles, storage areas, and/or conditions which may be hazardous to Airport operations.
- F. If the Contractor fails to maintain the marking, lighting barricades, signs, etc., as required, the Owner will cause appropriate safety measures to be installed by others and all costs thereof will be charged to the Contractor and deducted by the Owner from monies due to the Contractor.
- G. The Contractor's responsibility for safety and security will begin on the day the Contractor starts Work or on the date of the Notice To Proceed and will continue until Contractor is complete.
- H. The Contractor is fully and solely responsible for all project safety as it pertains to the Contractor's Work. This includes complying with the Hillsborough County Aviation Authority Construction Safety & Health Guidelines Manual, if applicable, implementing and enforcing its safety plan and procedures. Owner's acceptance, directives, approval, comments or any such action regarding Contractor's safety plan or Work shall not relieve the Contractor of its obligations.

1.03 SAFETY PROCEDURES

- A. In as much as each Work area will be accessible to and used by the public, the Owner, airlines, and other companies doing business at the Airport during the construction period, it is the Contractor's responsibility to maintain each Work area in a safe, hazard free condition at all times. This will include barricades, fencing, taping up sharp corners or any other precautions necessary to protect the public. Should the Owner find an area unsafe at any time, Owner will notify the Contractor and the Contractor will take whatever steps necessary to remedy the unsafe condition. Should the Contractor not be immediately available for corrective action, the Owner will cause appropriate safety measures to be installed by others and all costs thereof will be charged to the Contractor and deducted by the Owner from monies due to the Contractor.
- B. Fire Control: Open flame torch cutting or welding is prohibited unless adequate safety precautions have been taken and approved by the Owner via Owner's cutting and welding permit process. Flame cutting will be permitted only on steel parts that cannot be removed in any other manner and only when at least one person is standing by exclusively with a fire extinguisher within ten feet of the Work and within full view of the area. The fire extinguisher will have been tested and ready for use. The Contractor will submit a fire protection plan for approval prior to conducting the Work requiring said protection plan.
- C. Work Near Fire Alarm: Caution will be exercised as necessary when working near fire

alarms so as not to accidentally activate fire alarms, doors or barriers.

- D. Protection of Property: Fixed structures, equipment, paving, landscaping, vehicles (automobiles, trucks, etc.) and aircraft will be protected with drop cloths, shielding and other appropriate measures to assure maximum protection.
- E. Use of explosively operated fastening devices within the confines of any Owner facilities or within Tampa International Airport is strictly prohibited.

1.04 GENERAL SAFETY REQUIREMENTS

- A. An initial construction/safety meeting will be coordinated with the Owner after the award of the Contract, and prior to commencing construction, during which the Contractor will become aware of and assume responsibility for all safety issues. Additional construction/safety meetings may be scheduled as deemed necessary by the Owner throughout the Contract. Representatives from the Owner, Contractor, Design Professional, and any others deemed necessary by the Contractor may attend.
- B. The Contractor will inform its supervisors and workers of the Airport activity and operations that are inherent to this Airport, the safety regulations of the Airport, and the prohibition of driving or walking on any area of the AOA without clearance. The Contractor will conduct its construction activities to conform to both routine and emergency requirements. The Contractor will provide initial and continuing instructions to all supervisors, employees, subcontractors, and suppliers to enable them to conduct their Work in a manner that will provide the maximum safety with the least hindrance to air and ground traffic, the general public, Airport employees, and to the workers employed on the Project site.
- C. Work may be stopped/suspended by the Owner anytime the Owner considers that the intent of this Section is being violated or that a hazardous condition has been/was created. This decision to suspend the Work will be final and will only be rescinded by the Owner when satisfied that the Contractor has taken action to prevent recurrence. Delays/work stoppage as a result of the suspension of Work will be considered the fault of the Contractor and will not stop the Contract Time for assessing liquidated damages.
- D. All Contractor vehicles authorized to operate on the Airport outside of the Construction Area Limits as defined herein and to cross active runways, safety areas, taxiways, aprons, instrument or approach clear zones or any area within the AOA will do so only under the direct control of a trained, qualified flagman who is monitoring (two-way) radio communication with the ground controller of the Air Traffic Control Tower or UNICOM. All aircraft have priority over ground vehicles.
 - 1. When necessary, the Contractor will provide a radio to monitor communications from the Air Traffic Control Tower or UNICOM. This operator will be familiar with aircraft/ground controller communications and will be on duty whenever vehicles are operating in areas referenced above.
 - 2. Between sunset and sunrise, all vehicles operating in the AOA will be equipped with an operating yellow flashing beacon.

- E. All Contractor vehicles and equipment that are authorized to operate on or near the AOA or the Airport outside of the designated Construction Area Limits or haul routes as defined in the Contract Documents or Drawings will display 3-foot x 3-foot flags or larger, orange and white checkerboard pattern, each checkerboard color being 1-foot square.

- F. Any construction activity within 250-feet of an active runway centerline or 107-feet from an active taxiway centerline requires the closure of the affected runway or taxiway, unless otherwise approved by the Owner. No runway, taxiway or apron area will be closed without approval of the Owner. This will enable "Notices to Airmen" or other advisory communications to be issued. A minimum of 48 hour notice of requested closing will be directed to the Owner who will coordinate the request with Authority Operations.
 - 1. Debris, waste and loose material capable of causing damage to aircraft landing gears, propellers or being ingested in jet engines will be removed from the active portion of the AOA, placed in protected areas or otherwise secured to prevent dispersal into active portions of the AOA. The AOA is defined as all areas used or intended to be used for aircraft operations including active runways, aprons, taxiways, taxilanes, etc. Debris will be promptly removed from the AOA. The Contractor will exercise care in the transportation of materials within the AOA. Materials tracked or spilled in the AOA will be removed immediately.

 - 2. When hauling, loading, grading, or when any of the Contractor's activities are likely to cause the deposit of loose materials in the AOA, powered vacuum sweepers will patrol the affected areas continuously to remove such deposits. The sweepers will be supplemented by hand sweepers, loaders, trucks, etc., as necessary.

 - 3. Closures:
 - a. Prior to the commencement of any demolition or other Work which will cause an interruption or modification to existing aircraft operations, the Contractor will confer with and obtain authorization from the Owner.

 - b. If the Contractor requires access to operational areas not delineated on the Drawing(s), the Contractor will participate in discussions leading to the imposition of restrictions on Airport operations in the affected areas. Contractor will strictly abide by all conditions imposed by the Owner relating to Contractor's entry and use of such areas and Contractor will not enter these areas until granted temporary, conditional entry clearance by the Owner.

 - c. Unless otherwise described in the Contract Documents, trenching, excavation and other work requiring temporary runway or taxiway closure will be limited by the Contractor to that amount of work that can be completed within the hours of minimal operation. All ditches, excavations, etc., will be restored prior to the end of the Work period and affected pavements returned to service. This Work will be scheduled during hours of minimal operations. Hours of minimal

operation will be the hours between 10:00 p.m. and 6:00 a.m. All other hours will be hours of normal operation.

- d. The Contractor may be required to pursue affected portions of the Work on a continuous 24-hour per day basis during construction of the various phases and subphases shown on the Drawings and described in the Contract Documents (such as when runways or taxiways, aprons, service or access roadways, or service gates are closed for operations or when hazards of any kind arise).
- e. The Owner will arrange for inspection prior to opening for aircraft use any taxiway that has been closed for Work, on or adjacent thereto, or that has been used for a crossing point or haul route by the Contractor.

4. Operations Safety Inspections:

- a. The entire Project site will be inspected daily and more frequently if construction activities are of a nature that debris may accumulate on AOA pavements. Special inspections will be conducted for each Work area prior to return to service for aircraft operation. The purpose of these inspections is to ascertain that areas returned to aircraft service are in satisfactory condition and that the overall Project site and its activities are within the safety criteria set forth in these Contract Documents. Inspections will be conducted jointly by representatives of the Contractor and the Owner.
- b. Any violations of safety criteria found during these inspections will be rectified immediately. If a violation cannot be corrected on an immediate basis by the Contractor, the Contractor will immediately notify the Owner. No areas will be approved for operations with violations occurring unless specifically authorized by the Owner.

G. The Contractor will preserve and/or protect existing and new pavements plus other facilities from damage due to construction operations. Existing pavements and facilities which are damaged will be replaced or reconstructed to original strength at the Contractor's expense. The Contractor will take immediate action to reconstruct any damaged area which is to remain in service. Unless indicated on the Drawings, existing pavements will not be cut for the installation of any utilities. Jack and bore or directional bore method will be required.

H. Construction Area Limits:

- 1. Contractor will be required to conform to safety requirements contained in AC 150/5370-2, prohibits construction within the safety areas or Obstacle Free Zone (OFZ), as defined in Advisory Circular 150/5300-13, latest edition for both runways and taxiways. For Aircraft Group V pavements, this is 250 feet from the runway centerline and 107 feet from the taxiway centerline. The activity limits will be adequately signed and marked by the Contractor to preclude violation of this restriction. The area will be well identified by warning signs and lights at night. The Contractor will install lighting, marking, barricades, signs and other

measures to delineate closed and hazardous areas during construction. The guidance and procedures provided by FAA Advisory Circular AC 150/5340-1, "Standards for Airport Markings," will be utilized as depicted on the Drawings. Barricades will be weighted or otherwise secured to sufficiently prevent displacement by aircraft engine and propeller blast and ambient winds. Steady burning red obstruction lights may be required in certain instances to supplement lighted barricades or highlight hazardous or potentially dangerous objects. The location of these lights will be as requested in the field by the Owner. Obstruction lights and barricades will not be located within runway, taxiway and/or taxilane obstacle clearance areas.

2. The limits of construction, material storage area, plant site, equipment storage area, parking area and other areas defined as required for the Contractor's exclusive use during construction will be marked by the Contractor. The Contractor will erect and maintain around the perimeter of these areas suitable marking and warning devices visible for day/night use. Temporary fencing, barricades, flagging and/or flashing warning lights will be required at critical access points. Type of marking and warning devices will be approved by Owner. Open trenches, excavations and stockpiled materials will be permanently marked with flags and lighted by approved light units during hours of reduced visibility and darkness. No separate pay item is included for this Work and all costs must be included in the Contract Sum.
 - I. The Contractor will erect and maintain throughout the Contract, at Contractor's expense, a 6-foot high chain link opaque green fabric fence or barricade, with no advertising or writing visible, around the perimeter of the Construction Area as required. The Contractor will also install vehicular and pedestrian gates/doors as necessary to provide ingress/egress. Additionally, the perimeter of any fenced area which abuts an active operation pavement will be marked with red flashing barricades no more than 50-feet apart. The Contractor will be solely responsible for access control through any access gate leading to the AOA. This access control will be for all personnel using the gate/door for access to the AOA. This gate/door will be manned by the Contractor whenever unlocked. The Contractor is solely responsible for all security within the Construction Area from the date of the Notice to Proceed until the date of Final Acceptance. Equipment not in use during construction, nights and/or holidays will be parked in the Construction Area. The Contractor will at all times conduct all operations under the Contract in a manner to avoid or minimize the risk of loss, theft or damage by vandalism, sabotage or other means to any property. The Contractor will promptly take all reasonable precautions which are necessary and adequate to correct all conditions which threaten a risk of loss, theft, or damage to property.
 - J. During construction, the Contractor will maintain these areas in a neat condition. Upon completion of the Work, the staging and storage areas will be cleaned-up and returned to their original condition to the satisfaction of the Owner. Remove all construction fencing and barricades from the Project site. No special payment will be made for clean-up and restoration of the storage area. Personal vehicles will not be permitted beyond Contractor's Construction Area. Drivers of personal vehicles being operated beyond this Contractor's Construction Area will be subject to loss of permission to enter the construction site.

K. Intermittent Construction Operations:

1. Construction activity may require closing of certain areas by the Owner, including the AOA. However, some Work may be done on an intermittent basis. The Contractor will maintain constant communication with the Owner when working and immediately obey all instructions from the Owner. Failure to so obey instructions or maintain constant communications with the Owner will be cause to suspend the Contractor's operations in the areas until satisfactory conditions are assured.
2. When directed to cease Work and move from the area, the Contractor will immediately respond and move all material, equipment and personnel outside areas. Operations will not be resumed until directed by the Owner. Every reasonable effort will be made by the Owner to cause minimum disturbance to the Contractor's operations. However, no guarantee can be made as to the extent to which disturbance can be avoided. Contractor's claim for additional Contract Time for any such disruption will not be accepted.
3. Open trenches or excavations exceeding 3-inches in depth and 3-inches in width will not be permitted within 250-feet of the centerline of an active runway or within 100-feet of the centerline of active taxiways and taxilanes. If an area is to be opened to aircraft movement, either at night or during the day, the Contractor will decrease the drop off to 3-inches by placing compacted fill. This fill will taper away from the paved area at a 5% maximum slope to existing grade. There is no separate payment for this temporary construction.
4. Disruptive Work will be defined as any activity, including excessive noise, air pollution, dust, and similar events that adversely disrupts, hinders or impacts normal Airport operations. These activities will be conducted so as not to interfere with the normal operation of the Airport. Work which may be considered disruptive will be conducted by the Contractor during the middle of the night hours as designated by the Owner. When directed by the Owner to cease Disruptive Work, the Contractor will immediately suspend and discontinue the Disruptive Work. Work will not be resumed until directed by the Owner. Contractor's claim for additional cost or additional Contract Time for suspending of Disruptive Work will not be accepted.

L. Limitation of Operations:

1. When the Work requires the Contractor to operate on or adjacent to any public area, the operation will be coordinated with the Owner at least 72-hours prior to commencement of the Work. At no time will the Contractor close a public area until authorization to do so is granted by the Owner.
2. When the Contract Work requires the Contractor to operate on or adjacent to the apron or taxiway AOA, the operation will be coordinated with the Owner at least 72-hours prior to commencement of the Work. At no time will the Contractor close an AOA until authorization to do so is granted by the Owner and until temporary marking and associated lighting is provided and in place as specified in FAA Advisory Circular 150/5340-1, "Marking of Paved Area on

Airports” and/or the Drawings and Specifications.

3. The Contractor will be responsible for controlling its operations and those of its subcontractors so as to provide for the free and unobstructed movement of all passengers and private vehicles on the Airport.
4. The Contractor will be responsible for controlling its operations and those of its subcontractors so as to provide for the free and unobstructed movement of aircraft in the apron and taxiway areas of the Airport AOA.

M. Obstructions to Navigation:

1. Penetrations of the imaginary surfaces defined in FAR Part 77 will not be permitted without advance notification of and approval by the Owner and the FAA Tower Chief. It may be necessary to file Form 7460-1 with the Owner to obtain approval prior to operation of exceptionally tall equipment. This includes any penetrations whatsoever by the Contractor, including but not limited to vehicles, cranes, other construction equipment, structures, stockpiled materials, excavated earth, etc.
2. When penetrations are unavoidable they will be brought to the attention of the Owner and the FAA as far in advance as is practical to allow Notices to Airmen (NOTAMS) to be prepared and distributed to appropriate FAA divisions for publication and dissemination.
3. Appropriate sketches will be prepared by the Contractor with precise locations shown on the Airport Layout Plan along with elevations depicting the obstruction object's relationship to the imaginary surfaces.
4. Cranes, draglines, derricks, or other unusually tall equipment operating on the Airport will be in direct radio communication with the control tower. To effect this communication, the Contractor will provide two-way VHF radios capable of communicating on ground control frequency. Operators of such construction equipment will be qualified and knowledgeable in the use of radio equipment communication protocols with the Tower and capable of following instructions in a timely fashion.
5. The maximum height allowed on the Airport is 15 feet above ground level unless, in special instances, this requirement is waived by the Owner and the FAA. During times when the safety of flight operations could be impaired, particularly during Instrument Flight Rules (IFR) weather, or when the equipment is idle, all booms, towers and other movable appendages will be lowered to the maximum extent.

N. Emergency Procedures:

1. The Contractor will familiarize itself with Airport emergency procedures and will endeavor to conduct its operations so as not to conflict with them. Clear routes for crash/fire/rescue equipment will be maintained in operable condition at all times.

2. Emergency Procedure: In case of an emergency caused by an accident, fire, or personal injury or illness, Airport Police are to be immediately notified by Page Phone found throughout the Terminal buildings or by calling them at 911 or Airport Police Emergency Phone No. (813) 870-3911. The caller must accurately report the location and type of emergency. Airport Police will then coordinate with other Owner representatives and/or other outside emergency agencies as necessary.
- O. Access to the Construction Site:
1. The Contractor's access to the site will be defined by the Owner. This access route may also be used by Airport employees or others. **No other access routes will be allowed unless approved by the Owner. At Tampa International Airport, the vertical clearance in the Short Term Parking Garage is 6'-8". No vehicle taller than 6'-8" will be allowed to operate in the Short Term Parking Garage structure. The vertical clearance in the Long Term Parking Garage is 7'-10". No vehicle taller than 7'-10" will be allowed to operate in the Long Term Parking Garage structure.** All Contractor traffic authorized to enter the site will be experienced in the route or guided by the Contractor's personnel. The Contractor will be responsible for traffic control to and from the various construction areas on the site. The Contractor will be responsible to verify and coordinate with all vertical clearances for the George J. Bean Parkway, Bessie Coleman Service Road, Red and Blue Side Arrivals, Departure and Crossover Drives, as well as all other ramps, roads, drives and overpasses over and along or otherwise a component of the Contractor's access route.
 2. The Contractor will familiarize its employees with the route. Material and equipment delivery trucks will be accompanied by an employee of the Contractor familiar with the route. The Contractor will be responsible for access control through any AOA access gate for the duration of this Contract. This access control will be for all personnel. Any AOA access gate will be manned, whenever unlocked, by a licensed, bonded security agency guard, contracted by the Contractor. Contractor personnel are not acceptable substitutes for the licensed, bonded security agency guard.
 3. The Contractor will monitor and coordinate all Contractor traffic with the Owner. The Contractor will not permit any unauthorized construction personnel or traffic on the site, including food and beverage vendors or caterers. If breaches of security occur, the Owner may, at the Owner's option, close the AOA gates until adequate actions have been taken to prevent further breaches of security.
 4. The Contractor will provide and operate an escort vehicle to lead other vehicles when operating within the site.
 5. The following procedure will be used for access to site by AOA unauthorized persons:
 - a. The unauthorized person will inform the gate guard of their reason for

entrance to the site and which Contractor they intend to visit.

- b. Guard will notify the Contractor by telephone.
- c. Contractor will go to gate and escort visitor to Contractor facility.

The Contractor will provide and operate an escort vehicle to lead other vehicles when operating within the AOA.

- 6. The Contractor is responsible for immediate cleanup of any debris deposited along the access route as a result of Contractor's construction traffic. The entire access route and construction site will be kept free and clean of all debris at all times, will be maintained in good repair by the Contractor or its agents, and will be immediately repaired to the satisfaction of the Owner. Directional signing along the delivery route to the storage area or work site will be as directed by the Owner.

P. Load Restrictions:

- 1. The Contractor will comply with all legal load restrictions in the hauling of materials on public roads beyond the limits of the Work. A special permit will not relieve the Contractor of liability for damage which may result from the moving of material or equipment.
- 2. The operation of equipment of such weight or so loaded as to cause damage to structures or to any other type of construction will not be permitted. Hauling of materials over the base course or surface course under construction will be limited as directed. No loads will be permitted on a concrete pavement, base, or structure before the expiration of the curing period. The Contractor will be responsible for all damage done by Contractor's hauling equipment and will correct such damage at Contractor's own expense.
- 3. It is especially noted that the existing Airport pavements may not be capable of supporting certain types of construction equipment. Prior to submitting the Bid, the Contractor will fully satisfy itself as to the ability of the existing Airport pavements to satisfactorily sustain the type of equipment Contractor plans to use. Should damage occur as a result of construction operations, the Contractor will repair the damaged areas to an acceptable condition at Contractor's expense.

Q. Contractor's Security Requirements:

- 1. General Intent: It is intended that the Contractor will comply with all requirements of the Airport Security Plan and with the Safety Plan specified herein. The Contractor will designate to the Owner, in writing, the name of its Contractor Security Officer (CSO). The CSO will be the Contractor's representative on the "Construction Security Committee" and will be accountable for these security requirements for the Contractor.
- 2. Contractor Security Personnel Orientation: The CSO will be responsible for all

safety precautions. Prior to the commencement of the Work, the CSO will provide the Owner an outline of a proposed accident and fire protection plan for all Work contemplated under the Contract. The CSO will also conduct safety meetings as directed by the Owner for each shift and require the attendance of all supervisors at such meetings. Copies of the minutes of safety meetings will be kept on file in the Contractor's Office.

3. Identification - Personnel: All employees of the Contractor or subcontractors requiring access to the construction site are required to be supplied with identification badges to be worn at all times while within the area. Badges will be supplied by the Contractor and will state "**TPA – Building Automation System Upgrade Contractor.**" Badges can be plastic wallet size, metal pin or sticker with a minimum of 2-1/2" diameter and worn on outer garments so as to be clearly visible. Badging is to be uniform in appearance and sufficiently distinctive in design or color to clearly distinguish, on sight, employees assigned to this Contract. The badge number will be prominent for easy identification. Badges are to be identified numerically and issued individually to whom it was assigned. Blocks of numbers can be assigned to subcontractors. Responsibility for supply issuance and control of identification badges will be that of the Contractor, through the CSO.

In addition, for all Work within the AOA at Tampa International Airport only, the Contractor's onsite supervisors will be badged with Airport ID badges provided by Authority Operations. Supervisors requiring unescorted access to the Security Identification Display Area (SIDA) will be subjected to a FBI fingerprint-based Criminal History Records Check (CHRC) and a Transportation Security Administration Security Threat Assessment (STA). An ID badge will not be issued to an individual until they successfully pass a CHRC and STA.

New applicants applying for a TPA ID badge will continue to be charged \$27.00 for the CHRC and an additional \$3.00 (ID badge with an expiration less than 12 months from date of issue) or \$6.00 (ID badge with an expiration greater than 12 months from date of issue). The new STA fees will also apply to ID badge renewals. Each time an individual renews their ID badge (including lost, stolen, name change, etc.), the authorized issue will be charged the STA fee of either \$3.00 or \$6.00 (depending on expiration date period).

Personnel will wear the badge on outermost garment at all times while on the AOA. All employees of Contractor or subcontractor requiring access to the construction site are required to be supplied with identification badges to be worn at all times while within the area. Blocks of numbers can be assigned to subcontractors. Responsibility for supply issuance and control of identification badges will be that of the Contractor, through the CSO and the Owner. Contractor agrees that the determination of damages for a lost badge is uncertain. The Contractor will be assessed Three Hundred Dollar (\$300.00) in liquidated damages for each security badge that is not returned to the Owner at the time of badge expiration or Project completion. These damages will be paid promptly by the Contractor by company check, or the amount will be withheld by Owner from payments due to the Contractor.

4. Identification - Vehicles: The Contractor, through the CSO, will establish and maintain a list of Contractor and subcontractor vehicles authorized to operate on the Project site and will issue a TPA validation sticker to each vehicle to be made available upon demand by the Owner or any Airport Security Officer. Vehicle validation sticker will be placed on the front left portion of the vehicle and be assigned in a manner to assure positive identification of the vehicle at all times. In lieu of issuing individual vehicle permits, the CSO can require each vehicle to display a large company sign on both sides of the vehicle and advise the Owner of a current list of companies authorized to enter and conduct Work on the Airport.
5. Identification – Equipment: The Contractor will clearly identify all on-site equipment such as portable motorized or non-motorized equipment, job boxes, material storage containers, port-a-lets, etc., whether owned or rented, with the Contractor’s name. Identification must be physically marked on equipment or attached with a durable removable device such as a wire tie.
6. Employee Parking:
 - a. Area for parking of the Contractor's employee's vehicles is in the Contractor's Construction Area or Staging Area to be defined by the Owner. Parking will be accomplished in straight equally spaced rows. Contractor will organize traffic flow and parking patterns, and supply traffic control signs and markings subject to approval of the Owner. Maintain the parking surface and pick up trash daily. No storage will be allowed at parking site. The Contractor will restore the shape and grade of this parking area upon Project completion, seed and mulch portions where existing ground cover is damaged and perform all Work required to restore the area to its original condition.
 - b. When the Contractor's employee parking area is adjacent to another Contractor's parking area performing other construction for the Owner, cooperation is required to avoid any interferences in the performance of each respective construction. Any difficulties experienced will be brought to the attention of the Owner immediately.
 - c. All vehicles entering any public parking garages will be required to pay the normal parking fee which will be calculated at the exit. Free parking will not be authorized.
7. Materials Delivery to the Site: All Contractor's material orders for delivery to the Work site will use as a delivery address the street name and number assigned to the access point onto the Airport.
8. Breach of Security Fine: Contractor agrees that liquidated damages in the amount of Ten Thousand Dollar (\$10,000.00) per occurrence will be assessed against the Contractor if the Contractor violates the requirements of the Airport Security Plan or the Security requirements specified herein. Contractor agrees that actual damages for breach of security are uncertain and the liquidated damages described herein are not a penalty and are reasonable considering the

impacts that a Breach of Security could have to public safety and welfare and the operations of the Airport.

Notwithstanding the foregoing, repeated and/or flagrant violations of the Security Plan will be grounds for the suspension of the Work at no cost to the Owner, default of the Contractor and/or termination of the Contract.

9. Amendments to this Safety Plan and Security requirements may be made by the Owner and will be immediately binding on Contractor.

END OF SECTION

SECTION 01545 - UTILITIES

PART 1 - GENERAL

1.01 GENERAL

- A. Existing facilities, utilities, and features depicted on the Drawings are not guaranteed to be accurate with respect to location, condition, and characteristics. Also, there may be additional facilities, utilities, and features existing that could affect the construction of the Work which are not depicted or described in the Contract Documents.
- B. Prior to Bidding, the Contractor will make a thorough investigation of the Project area to satisfy itself as to the location, condition, and characteristics of any and all facilities, utilities, and features which may affect Contractor's Work. No additional compensation will be made for any extra expense relating to an existing facility, utility, or feature.
- C. The Contractor hereby agrees to make no claims against the Owner and/or its representatives relating to the existence, or lack thereof, location, condition, and/or characteristics of any existing facilities, utilities, or features.
- D. Contractor will pay for the removal and installation of all utilities required by the Contract Documents.

1.02 PROTECTION OF EXISTING UTILITIES

- A. The term "utilities" includes FAA power and control cables, TECO power lines, other power lines, telephone cables, lines and fiber optics, Sheriff's Department lines, elevator control cables, airline communication cables, computer cables, airfield lighting cables, Owner underground electrical and communication lines, cables and fiber optics, water lines, irrigation lines, HVAC equipment, sanitary force mains, sanitary lines, stormwater lines and fuel and gas lines. These utilities may be located in the areas of construction. Disruption of these utilities could seriously disrupt the operation of the airport. Although the Drawings attempt to locate the cables and all utilities including fuel and gas lines, actual locations are uncertain and the Contractor is required to verify all locations.
- B. To the extent that such public and private utility services, FAA facilities, or utility services of another government agency are known to exist within the limits of the Work, the approximate locations have been indicated on the Drawings and some, but not all, utility services and FAA facilities are indicated as follows:

Utility Service or Facility Person to Contact Telephone

(To the best of the Owner's knowledge, the below information is correct, but it may change without notice.)

FAA Control Cables	Mr. Charles Hinnant	(813) 371-7751
HCAA	Mr. Paul Ridgeway	(813) 870-8744
TECO	Mr. Greg Keininger	(813) 228-4231
Fuel Lines	Mr. Enos Sage	(813) 396-3626
Irrigation Lines	Mr. Michael Garcia	(813) 554-1482
City of Tampa	Mr. Royce Person	(813) 274-8944

- C. Any intentional, temporary interruption of existing utilities for the purpose of carrying out the Work will be carried out so as to minimize the length and scope of the interruption. Before any such interruption, Contractor will give a minimum of 72 hours written notice to the Owner and will also give at least 72 hours' notice to the appropriate "Person to Contact" listed in Paragraph B of this Section.
- D. The Owner reserves the right to authorize the construction, reconstruction, or maintenance of any public or private utility service, FAA or National Oceanic and Atmospheric Administration (NOAA) facility, or a utility service of another government agency at any time during the progress of the Work.
- E. Contractor will not permit any individual, firm, or corporation to excavate or otherwise disturb such utility services or FAA facilities located within the limits of the Work without the written permission of the Owner.
- F. Should the Owner, public or private utility service, FAA, or NOAA facility, or a utility service of another government agency be authorized to construct, reconstruct, or maintain such utility service or FAA facility during the progress of the Work, the Contractor will cooperate with such utility service or FAA facility by arranging and performing the Work in this Contract so as to facilitate such construction, reconstruction, or maintenance by others. In addition, the Contractor will control its operations to prevent the unscheduled interruption of such utility services, FAA facility, and other facilities. It is understood and agreed that the Contractor will not be entitled to make any claim due to such authorized construction by others or for any delay to the Work resulting from such authorized construction. The Contractor will coordinate all Work with all utility services, FAA facility, or other facility.
- G. To the extent that such public or private utility services, FAA or NOAA facilities, or utility services of another governmental agency are known to exist within the limits of the Contract Work, the approximate locations can be obtained by the Contractor from the Owner.
- H. It is understood and agreed that the Owner does not guarantee the accuracy or the completeness of the location information relating to existing utility services, FAA facilities or structures that may be shown on the Drawings or encountered in the Work. Any inaccuracy or omission in such information will not relieve Contractor of its responsibility to protect such existing features from damage or unscheduled interruption of service.
- I. It is further understood and agreed that Contractor will, upon execution of the Contract, notify all utility services, FAA facility, or other facilities of the Contractor's plan of operations. Such notification will be in writing addressed to the Person to Contact as provided herein. A copy of each notification will be given to the Owner.
- J. In addition to the general written notification hereinbefore provided, it will be the responsibility of the Contractor to keep such individual utility service or FAA facility advised of changes in Contractor's plan of operation that would affect such utility service or FAA facility.

- K. Prior to commencing the Work in the general vicinity of an existing utility service or FAA facility, the Contractor will again notify each such utility service or FAA facility in writing, copying the Owner, of Contractor's plan of operations. If, in the Contractor's opinion, assistance is needed to locate the utility service or FAA facility or the presence of a representative of the utility service or FAA facility is desirable to observe the Work, such advice will be included in the written notification. Such notification will be given by the most expeditious means to reach the utility service or FAA facility Person to Contact no later than two business days prior to the Contractor's commencement of operations in such general vicinity. The Contractor will furnish a written summary of the notification to the Owner.
- L. Failure of the Contractor to properly coordinate in advance Work on or near existing utilities will be cause for the Owner to suspend Contractor's operations in the general vicinity of such utilities.
- M. Power and control cables leading to and from any FAA facilities will be marked in the field by the local FAA Airway Facilities Sector personnel for the information of the Contractor before any Work in the general vicinity is started. Thereafter, through the entire time of the Work, the Contractor will not allow any construction equipment to cross these cables without first protecting the cable with steel boiler plate or similar structural devices on 3-feet either side of the marked cable route. All excavation within 3-feet of existing cables will be accomplished by hand digging only. No grading will be permitted over FAA cables under any conditions.
- N. Approval to work in areas where active utility services or FAA facilities are located is subject to withdrawal at any time because of change in the weather, emergency conditions on the existing airfield areas, anticipation of emergency conditions, or for any other reason determined by the Owner or the designated FAA and/or utility service representative. All instructions by the Owner, the utility service, or the FAA facility (by radio or other means) to the Contractor to clear any given area, at any time, will be immediately executed. Construction Work will be commenced in the cleared area only when additional instructions are issued by the Owner.
- O. FAA CABLES AND UTILITIES MUST BE PROTECTED AT ALL TIMES.
- P. Where the outside limits of an underground utility service or FAA facility have been located and staked on the ground, the Contractor will be required to use excavated methods acceptable to the Owner within 3-feet of such outside limits at such points as may be required to insure protection from damage due to the Contractor's operations.
- Q. If damage occurs to any utilities, the Contractor will be assessed a fee of \$2,000 liquidated damages per cut per cable, line or strand, which liquidated damages will only represent the expense incurred by the Owner in coordinating the repair, and which will not prevent the Owner or others from recovering from the Contractor other costs, damages, or expenses of any other nature incurred on account of damages to utilities. Contractor agrees that damages for cut cables are uncertain and these liquidated damages are reasonable and are not a penalty and a reasonable consideration of the impact that damage to utilities could have to the operation of the Airport. There is no intention to double count damages under this provision.

- R. FAA FACILITIES AND CABLE RUNS. The Contractor is hereby advised that the construction limits of the Project include existing facilities and buried cable runs that are owned, operated and maintained by the FAA. The Contractor, during the prosecution of the Project work, will comply with the following:
1. The Contractor will permit FAA maintenance personnel the right of access to the Project work site for purposes of inspecting and maintaining all existing FAA owned facilities.
 2. The Contractor will notify the above named FAA Airway Facilities Point-of-Contact seven days prior to commencement of construction activities in order to permit sufficient time to locate and mark existing buried cables and to schedule any required facility outages.
 3. If prosecution of the Project work requires a facility outage, the Contractor will contact the above named FAA Person to Contact a minimum of 72 hours prior to the time of the required outage.
 4. If prosecution of the Project work results in damages to existing FAA equipment or cables, the Contractor will repair the damaged item in conformance with FAA Airway Facilities' standards to the satisfaction of the above named FAA Point-of-Contact.
 5. If the Project work requires the cutting or splicing of FAA owned cables, the above named FAA Point-of-Contact will be contacted a minimum of 72 hours prior to the time the cable work commences. The FAA reserves the right to have an FAA Airway Facilities representative on site to observe the splicing of the cables as a condition of acceptance. All cable splices are to be accomplished in accordance with FAA Airway Facilities' specifications and require approval by the above named FAA Point-of-Contact as a condition of acceptance by the Owner. The Contractor is hereby advised that FAA Airway Facilities restricts the location of where splices may be installed. If a cable splice is required in a location that is not permitted by FAA Airway Facilities, the Contractor will furnish and install a sufficient length of new cable that eliminates the need for any splice.
- S. Should the Contractor damage or interrupt the operation of a utility service or FAA facility by accident or otherwise, Contractor will immediately notify the proper utility service or FAA facility and the Owner and will take all reasonable measures to prevent further damage or interruption of service. The Contractor, in such an event, will cooperate with the utility service or FAA facility and the Owner continuously until such damage has been repaired and service restored to the satisfaction of the utility service or FAA facility.
- T. The Contractor will immediately repair, at Contractor's own expense, with identical material by skilled workers, all utilities, FAA cables, and other facilities which are damaged by Contractor's workers, equipment, or work. Prior approval of the appropriate utility service and/or FAA facility and Owner will be obtained for the materials, workers, time of day or night, method of repairs, and for any temporary or permanent repairs the Contractor proposes to make to any FAA cables or utility service damaged by the Contractor.

- U. Airport publicly owned facilities and privately owned facilities located on Airport property, including underground cables, pavements, piping, buildings, turfed areas, vehicles and other facilities/improvements, that are damaged by the Contractor will, at the election of the Owner, (1) be replaced/repared by the Contractor to the satisfaction of the Owner or (2) be replaced/repared by the Owner at the Contractor's expense.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF SECTION

SECTION 01561 - CONSTRUCTION CLEANING

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Contractor shall execute daily cleaning during progress of Work. Contractor shall execute final cleanup prior to Substantial Completion and again prior to Final Acceptance.
- B. Hazards Control:

Contractor shall:
 - 1. Store volatile wastes in covered metal containers.
 - 2. Remove containers from premises daily.
 - 3. Prevent accumulation of wastes which create hazardous conditions.
 - 4. Provide adequate ventilation during use of volatile or noxious substances.
- C. Contractor shall conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws:
 - 1. Contractor shall not burn or bury rubbish and waste materials on Project site.
 - 2. Contractor shall not dispose of volatile wastes, such as mineral spirits, oil, or paint thinner, in storm or sanitary drains.
- D. Contractor shall transport waste materials and debris across Airport property in covered trucks.

PART 2 - PRODUCTS

2.01 MATERIALS

Contractor shall use cleaning materials recommended by manufacturer of surface to be cleaned which will not create hazards to health or property and which will not damage surfaces.

PART 3 - EXECUTION

3.01 CLEANING DURING CONSTRUCTION

- A. Contractor shall execute periodic cleaning to keep building, grounds, and public properties free of accumulation of waste materials, rubbish, and wind-blown debris resulting from construction operations.
- B. Contractor shall apply protective covering on newly installed Work where reasonably required to ensure freedom from damage or deterioration at time of Substantial

Completion and Final Acceptance. Contractor shall clean and perform maintenance on other newly installed Work as frequently as necessary through remainder of construction period.

- C. Contractor shall adjust and lubricate operable components to ensure operability without damaging effects.
- D. Contractor shall furnish on-site containers for collection of waste materials, debris, and rubbish.
- E. Contractor shall remove waste material, debris, and rubbish from Project site daily.
- F. Contractor shall not drop or throw materials from heights.
- G. Contractor shall continue cleaning daily until building is ready for occupancy.

3.02 DUST CONTROL

Contractor shall:

- A. Clean interior building areas prior to start of finish painting or special coatings.
- B. Wet down materials and rubbish to prevent blowing dust.
- C. Schedule cleaning operations so that dust and other contaminants resulting from cleaning process will not fall on wet, newly painted surfaces.

3.03 FINAL CLEANING

- A. Contractor shall provide final cleaning of the Work, including all adjacent protection areas surface or unit of Work to normal "clean" condition expected for a first-class building cleaning and maintenance program. Contractor shall comply with manufacturer's instructions for cleaning operations. The following are examples, but not by way of limitation, of cleaning levels required:
 - 1. Removal of labels which are not required as permanent labels.
 - 2. Cleaning of transparent materials, including mirror, window, and door glass, to polished condition. Remove substances which are noticeable as vision obscuring materials.
 - 3. Replacing of broken glass and damaged transparent materials.
 - 4. Cleaning of exposed exterior and interior hard-surfaced finishes to dirt-free condition, free of dust, stains, films, and similar noticeable distracting substances.
 - 5. Restoring of reflective surface to original reflective condition.
 - 6. Wiping of surfaces of mechanical and electrical equipment clean, including elevator equipment.

7. Removal of excess lubrication and other substances.
 8. Removal of debris and surface dust from limited access spaces including roofs, plenums, shafts, trenches, equipment vaults, manholes, and similar spaces.
 9. Broom cleaning of concrete floors in non-occupied spaces.
 10. Vacuum cleaning of carpeted surfaces and similar soft surfaces.
 11. Cleaning of plumbing fixtures to sanitary condition, free of stains, including those resulting from water exposure.
 12. Cleaning of equipment to condition of sanitation ready and acceptable for intended use.
 13. Cleaning of light fixtures and lamps to function with full efficiency.
 14. Cleaning of Project site, including landscape development areas, of litter and foreign substances.
 15. Sweeping of paved areas to broom-clean condition. Remove stains, petro-chemical spills, and other foreign deposits.
 16. Raking of grounds which are neither planted nor paved to smooth, even-textured surface.
- B. Contractor shall remove waste materials from Project site daily and dispose of in a lawful manner.
- C. Protection - Limiting Exposures: Contractor shall supervise construction operations to assure that no part of the construction completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.
- D. Removal of Protection:

Contractor shall remove temporary protection devices and facilities which were installed during course of the Work to protect previously completed Work during remainder of construction period.

END OF SECTION

SECTION 01600 - MATERIALS AND EQUIPMENT

PART 1 - GENERAL

1.01 TRANSPORTATION AND HANDLING

Contractor shall:

- A. Deliver, handle, and store products in accordance with manufacturer's recommendations and by methods and means which will prevent damage, deterioration, and loss, including theft.
- B. Control delivery schedule to minimize long-term storage of products at Project site from overcrowding of construction spaces. Coordinate delivery and installation to minimize holding of storage times for products recognized to be flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other sources of loss.
- C. Deliver products in undamaged conditions, in manufacturer's original containers and prepackaging, with identifying labels intact and legible.
- D. Immediately upon delivery, inspect shipments for compliance with requirements of Contract Documents and accepted submittals and to verify that products are properly protected and undamaged.
- E. Promptly remove unsatisfactory materials from Project site.
- F. Furnish equipment and personnel to handle products by methods to prevent soiling or damage to products or packaging.
- G. Provide transportation and delivery F.O.B. Project Site.

1.02 STORAGE

Contractor shall:

- A. Store materials subject to damage from exposure to weather in weather tight storage facilities of suitable size with floors raised above ground. Materials not subject to weather damage may be stored on blocks off ground.
- B. Store fabricated products in accordance with manufacturer's instructions, with seals and labels intact and legible. Store products subject to damage by elements in weather tight enclosures. Maintain temperature and humidity within range required by manufacturer's instructions.
- C. Cover materials which are subject to deterioration with impervious sheet covering providing adequate ventilation to avoid condensation.
- D. Store loose granular materials in well-drained area on solid surfaces to prevent mixing with foreign matter and cover during inclement weather. Store cementitious and clay products clear of earth or concrete floors, away from walls.

- E. Arrange storage in manner to permit easy access for inspections.
- F. Protect metal from damage, dirt, or dampness. Furnish flat, solid support for sheet products during storage.
- G. Make periodic inspections of stored materials to verify that products are maintained under specified conditions and are free from damage or deterioration.
- H. Not use materials in Work which have deteriorated, become damaged, or are otherwise unfit for use.
- I. Store and mix paints in assigned room or area kept under lock and key.
- J. Remove oil, rags, and other combustible materials daily, store in covered metal containers and take precautions to prevent fire hazards.
- K. Not load structure during construction by storing materials with load greater than structure can bear safely.

PART 2 - PRODUCTS

2.01 MATERIAL AND EQUIPMENT INCORPORATED INTO WORK

Contractor shall:

- A. Comply with applicable Specifications and Standards.
- B. Comply with size, make, type, and quality specified or as specifically accepted in writing by Owner.
- C. Design, fabricate, and assemble products in accordance with engineering and shop practices normal to trade.
- D. To greatest extent possible, for each unit of Work, provide products, materials, or equipment of singular generic kind and from single source.
- E. Manufacture like parts of duplicate units to standard interchangeable sizes and gages. Two or more items of same kind may be identical by same manufacturer.
- F. Provide products suitable for service conditions.
- G. Adhere to equipment capacities, sizes, and dimensions shown or specified unless variations are specifically accepted in writing.
- H. Not use material or equipment for any purpose other than that for which it is designed or is specified.
- I. Nameplates:

1. Not permanently attach or imprint manufacturer's or producer's nameplates or trademarks on exposed surfaces of products which will be exposed to view either in occupied spaces or on exterior of Work, except for Testing Laboratory approval labels and operating data.
 2. Locate required labels and stamps on concealed surface or, where required for observation after installation, on accessible surface which in occupied spaces are not conspicuous.
- J. Equipment Nameplates:
1. Provide permanent nameplate on each item of service-connected or power-operated equipment.
 2. Indicate manufacturer, product name, model number, serial number, capacity, speed, ratings, and similar essential operating data.
 3. Locate nameplates on an easily accessed surface which, in occupied spaces, is not conspicuous.
- K. Provide products which comply with requirements, which are undamaged and unused at time of installation, and which include accessories, trim, finish, safety guards, and other devices and details needed for installation, intended use, and effect.
- L. Standard Products: Where available, provide standard products of types which have been produced and used previously and successfully on other projects and in similar applications.
- M. Contractor shall affix Owner property tags to all equipment required to be inventoried by Owner. Contractor shall verify requirement with Owner for each purchased equipment.

PART 3 - EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

Contractor shall:

- A. When Contract Documents require that installation of Work will comply with manufacturer's printed instructions, obtain and distribute copies of instructions to parties in installation, including two copies to the Owner, prior to commencing Work.
- B. Maintain one set of complete instructions at Project site during installation and until completion.
- C. Maintain copies for Project Record Documents.
- D. Handle, install, connect, clean, condition, and adjust products in strict accord with manufacturer's instructions and in conformity with specified requirements.

- E. Inspect substrate to receive Work and conditions under which Work is to be performed.
- F. Notify the Owner in writing for further instructions, should job conditions or specified requirements conflict with manufacturer's instructions and not proceed with Work without clear instructions.
- G. Perform Work in accordance with manufacturer's instructions and not omit preparatory steps or installation procedures.
- H. Install Work during conditions of temperature, humidity, exposure, forecasted weather, and status of Project completion which will ensure best possible results for each item of material or equipment.
- I. Isolate noncompatible materials to prevent deterioration.
- J. Mount individual units of Work at industry recognized standard mounting heights for applications indicated and refer questionable mounting height choices to Owner for final decision.

3.02 PROTECTION

Contractor shall:

- A. Furnish protection against weather. Cover building openings to protect interior of building from weather.
- B. Maintain Work, materials, apparatus, and fixtures free from damage.
- C. Protect items having factory finish to prevent damage to finish and equipment.
- D. At end of day's Work, cover new Work likely to be damaged or otherwise protect as necessary.
- E. After installation, secure substantial coverings as necessary to protect installed products from damage from traffic and subsequent construction operations.
- F. Remove protection when no longer needed and upon completion of Work, remove storage facilities from Project site.

END OF SECTION

SECTION 01640 - PRODUCT HANDLING

PART 1 - GENERAL

1.01 DESCRIPTION

A. Scope:

Contractor shall protect products scheduled for use in the Work by means including, but not necessarily limited to, those described in this Section.

B. Related Work:

Additional procedures also may be prescribed in other Sections of these Contract Documents.

1.02 QUALITY ASSURANCE

Contractor shall:

A. Include within the Contractor's quality assurance program such procedures as are required to assure full protection of Work and materials and:

1. Deliver, handle and store products in accordance with manufacturer's recommendations and by methods and means which will prevent damage, deterioration, and loss, including theft.
2. Control delivery schedules to minimize long-term storage of products at Project site and overcrowding of construction spaces.
3. In particular, provide delivery/installation coordination to ensure minimum holding or storage times for products recognized to be flammable, hazardous, easily damaged, or sensitive to deterioration, theft and other sources of loss.
4. Deliver products to the Project site in the manufacturer's sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting and installing.
5. Inspect products upon delivery to ensure compliance with the Contract Documents and to ensure that products are undamaged and properly protected.
6. Store products at the Project site in a manner that will facilitate inspection and measurement of quantity or counting of units.
7. Store heavy materials away from the Project structure in a manner that will not endanger the supporting construction.
8. Store products subject to damage by the elements above ground, under cover in a weather tight enclosure, with ventilation adequate to prevent condensation. Maintain temperature and humidity within range required by manufacturer's

instructions.

1.03 MANUFACTURER'S RECOMMENDATIONS

Except as otherwise approved by the Owner, Design-Builder shall determine and comply with manufacturer's recommendations on product handling, storage, and protection.

1.04 PACKAGING

A. Contractor shall deliver products to the Project site in their manufacturer's original containers, with labels intact and legible.

Contractor shall:

1. Maintain packaged materials with seals unbroken and labels intact until time of use.
2. Promptly remove damaged material and unsuitable items from the Project site, and promptly replace with material(s) meeting the specified requirements, at no additional cost to the Owner.

B. The Owner may reject as non-complying such material and products that do not bear identification satisfactory to the Owner as to manufacturer, grade, quality, and other pertinent information.

1.05 PROTECTION

Contractor shall:

- A. Protect finished surfaces, including jambs and soffits of openings used as passageways, through which equipment and materials are handled.
- B. Provide protection for finished floor surfaces in traffic areas prior to allowing equipment or materials to be moved over such surfaces.
- C. Maintain finished surfaces clean, unmarred, and suitably protected until accepted by the Owner.

1.06 REPAIRS AND REPLACEMENTS

Contractor shall:

- A. In the event of damage, promptly make replacements and repairs to the approval of the Owner and at no additional cost to the Owner.
- B. Additional time required to secure replacements and to make repairs will not be considered by the Owner to justify an extension in the Contract Time.

PART 2 – PRODUCTS

Not used.

PART 2 – EXECUTION

Not used.

END OF SECTION

SECTION 01700 - PROJECT CLOSEOUT

PART 1 - GENERAL

1.01 DESCRIPTION

Closeout is hereby defined as the performance of activities and the preparation and submittal of documents following Substantial Completion as specified in the Contract Documents as necessary to Final Acceptance and Contract closure. Specific requirements for individual units of Work are specified in other Sections.

1.02 PREREQUISITES TO SUBSTANTIAL COMPLETION

- A. Prior to requesting Owner's and Design Professional inspection for Certificate of Substantial Completion, for either the whole Work or designated portions thereof, complete the following and list known exceptions in request:
1. In progress payment request, coinciding with, or first following date claimed, show 100% completion for portion of Work claimed as substantially completed, or list incomplete items, value of incompleteness, and reasons for being incomplete.
 2. Include supporting documentation for completion as indicated in the Contract Documents.
 3. Submit statement showing accounting of changes to the Contract sum.
 4. Advise Owner of pending insurance change-over requirements.
 5. Obtain and submit releases enabling Owner's full and unrestricted use of the Work and access to services and utilities, including, where required, occupancy permits, operating certificates, and similar releases.
 6. Deliver tools, spare parts, extra stocks of materials, and similar physical items to Owner.
 7. Make final change-over of locks and transmit keys to Owner, and advise Owner's personnel of change-over in security provisions.
 8. Complete start-up testing of systems and instructions of Owner's operating-maintenance personnel. Discontinue, or change over, and remove from Project site temporary facilities and services, along with construction tools and facilities, mock-ups, and similar elements.
- B. Cleaning and Repairs:
- Immediately prior to the Owner's and Design Professional's inspection for Substantial Completion of the whole Work or designated portions thereof, the Contractor will completely clean the premises. Concrete and ceramic surfaces will be cleaned and washed. Resilient coverings will be cleaned, waxed and buffed. Woodwork will be

dusted and cleaned. Sash, fixtures, and equipment will be thoroughly cleaned. Stains, spots, dust, marks, and smears will be removed from all surfaces. Hardware and all metal surfaces will be cleaned and polished. Glass and plastic surfaces will be thoroughly cleaned by professional window cleaners. All damaged, broken or scratched glass or plastic will be replaced by the Contractor at the Contractor's expense. Refer to Section 01561 - CONSTRUCTION CLEANING.

C. Inspection Procedures:

1. Incomplete Items Prior to Substantial Completion:
 - a. One week prior to anticipated date of Substantial Completion, the Contractor will furnish the Owner a list of items which Contractor expects will be incomplete at date of Substantial Completion.
 - b. The Owner will review the list and confirm its acceptability, or itemize objections and transmit such to the Contractor for action. Approval of this list by Owner will be a precondition for conducting the Substantial Completion inspection.
2. Upon receipt of Contractor's request for inspection, the Owner will either proceed with inspection or advise Contractor of prerequisites that are not fulfilled. Following initial inspection, the Owner will either prepare the Certificate of Substantial Completion or advise Contractor of work which must be performed prior to issuance of certificate. The Owner will repeat inspection when requested and when assured that the work has been substantially completed. A listing of work to be completed or corrected and the submission of closeout documents specified in Paragraph 1.03.A.1 will constitute the Final Acceptance punch list.
 - a. For projects under \$10 million, the Final Acceptance punch list will be developed within 30 days after Substantial Completion and will be provided to the Contractor within five days after its completion.
 - b. For projects over \$10 million, the Final Acceptance punch list will be developed within 60 days after Substantial Completion and will be provided to the Contractor within five days after its completion.
3. Following Substantial Completion, the Contractor will correct or complete all Final Acceptance punch list items, excluding closeout documents, to the satisfaction of the Owner within 30 days after delivering the Final Acceptance punch list. If subsequent inspections are necessary after the prescribed time in order to eliminate all deficiencies, the cost of all subsequent inspections with respect to Owner's time will be paid by the Contractor. When ready, the Contractor will request in writing a final inspection of the Work. Upon completion of re-inspection, the Owner will either prepare a Certificate of Final Acceptance or advise Contractor of Work that is not completed or obligations that are not fulfilled as required for Final Acceptance. If necessary, procedures will be repeated. In the event of unacceptable Work discovered on the final inspection or if the submission of the closeout document is incomplete, the

issuance of the Certificate of Final Acceptance will be withheld until all Final Acceptance punch list items and closeout documents are corrected or submitted to the Owner's satisfaction.

1.03 PREREQUISITES FOR FINAL COMPLETION AND ACCEPTANCE

- A. Prior to requesting Owner's final inspection for Certification of Final Acceptance as required by this Part 2 Contract, complete the following and list known exceptions in requests:
1. Submit certified copy of Final Acceptance punch list with a statement that each item has been completed, submitted or otherwise resolved for acceptance, and has been endorsed and dated by Owner. The Final Acceptance punch list will contain the requirement that the following named items will be submitted as closeout documents:
 - a. Consent of Surety to Payment
 - b. Contractor's Final Payment Affidavit.
 - c. Contractor's Affidavit of Release of Liens
 - d. List of subcontractors and suppliers
 - e. Final release of lien from each subcontractor and supplier listed in d. above
 - f. Statement of compliance with labor standards and payment of all applicable taxes
 - g. Statement of Contractor's one-year general warranty
 - h. Specific warranties as specified in Contract Documents
 - i. Accounting of final Contract amount
 - j. Accounting of actual DBE (W/MBE) participation
 - k. As-Built drawings sufficient for the production of record drawings
 - l. O&M manuals, Record Project Manual and record documents (see paragraph 1.06)
 - m. Evidence of continuing insurance complying with specified requirements
 - n. Contractor's final pay application
 - o. Final amendment – when applicable
 2. Submit final meter readings for utilities, measured record of stored fuel, and similar data either as of time of Substantial Completion or when Owner took possession of and responsibility for corresponding elements of the Work.
 3. Complete final cleaning requirements, including touch-up of marred surfaces. Refer to Section 01561 - CONSTRUCTION CLEANING, Paragraph 3.03 FINAL CLEANING.
 4. Touch-up and otherwise repair and restore marred exposed finishes.

1.04 PREREQUISITES TO FINAL PAYMENT

- A. Final Payment: Final Payment will be made after Final Acceptance of the whole Work by the Owner upon request by the Contractor and on condition that the Contractor:

1. Acceptance and final payment: The Owner will check the final estimate submitted by the Contractor of the items of Work actually performed. The Contractor will approve the Owner's final estimate or advise the Owner of Contractor's objections to the final estimate which are based on disputes in measurements or computations of the final quantities.

The Contractor and the Owner will resolve all disputes in the measurement and computation of final quantities to be paid within 30 days of the Contractor's submission of the final estimates. If, after such 30 day period, a dispute still exists, the Contractor may approve the Owner's estimate under protest of the portions of Work in dispute, and such disputed quantities will be considered by the Owner as a claim in accordance with the Contract Documents.

- a. After the Contractor has approved, or approved under protest, the Owner's final estimate, final payment will be processed based on the entire sum, or the undisputed sum in case of approval under protest, determined to be due the Contractor less all previous payments and all amounts to be deducted under the provisions of the Contract. All prior progress payments will be subject to correction in the final estimate and payment.
- b. If the Contractor has filed a claim for additional compensation under the provisions of the Contract, such claims will be considered by the Owner. Upon final resolution of such claims, any additional payment determined to be due the Contractor, if any, will be paid.

1.05 COMPLIANCES

- A. Comply with safety standards and governing regulations for cleaning operations. Do not burn waste materials at Project site, bury debris or excess materials on Owner's property, or discharge volatile or other harmful or dangerous materials into drainage systems. Remove waste materials from Project site and dispose of in a lawful manner.
- B. Where extra materials of value remain after Work has been completed and become Owner's property, they will be relocated and stored as directed by Owner.

1.06 RECORD DOCUMENT SUBMITTALS

- A. Specific requirements for record documents are shown in this Section. Other requirements are indicated in the General Conditions. General submittal requirements are indicated in submittals sections. Contractor should not use record documents for construction purposes, should protect record documents from deterioration and loss in a secure, fire-resistant location and should provide access to record documents for Owner's reference during normal working hours.
 1. Definition: Record documents are defined to include those documents relating directly to performance of the Work which Contractor is required to prepare or maintain for Owner's records and which record the Work as actually performed. In particular, record documents show changes in the Work in relation to way in which shown and specified by original Contract Documents and show additional information of value to Owner's records but not indicated by original Contract

Documents. Record documents include newly-prepared drawings (if any are specified), marked-up copies of Contract Documents, specifications, addenda and change orders, field records for variable and concealed conditions such as excavations and foundations, and miscellaneous record information on Work which is otherwise recorded only schematically or not at all.

2. Record Drawings: Upon receipt of acceptable as-built drawings, Design-Builder will produce the official record drawings in the manner prescribed by the Contract Documents. The Contractor will submit the as-built drawings to the Owner for coordination.
3. Record Project Manual: Upon completion of mark-up, Contractor will submit to Owner for Owner's records.
4. Maintenance Manuals: Contractor will complete, place in order, properly identify and submit to Owner for Owner's records.
5. Miscellaneous Record Submittals: Complete miscellaneous records and place in good order, properly identified and bound or filed, ready for continued use and reference. Contractor should submit to Owner for Owner's records.

B. Contractor's as-built drawings:

1. As-built drawings: The Contractor will maintain a set of as-built drawings at the Project site. These will be kept legible and current and will be available for inspection at all times by the Owner. Changes or work added on these drawings will be shown in a contrasting color.
 - a. Mark-up Procedure: During progress of the Work, maintain a white-set (blue-line or black-line) of contract drawings and shop drawings, with mark-up of actual installations which vary substantially from the Work as originally shown. Mark fully and accurately whatever drawing is most capable of showing actual physical condition. Where shop drawings are marked-up, mark cross-reference on contract drawings at corresponding location. Mark with erasable colored pencil, using separate colors where feasible to distinguish between changes for different categories of Work at same general location. Mark-up important additional information which was either shown schematically or omitted from original drawings. Give particular attention to information on Work concealed which would be difficult to identify or measure and record at a later date. Note alternate numbers, change order numbers and similar identification. Require each person preparing mark-up to initial and date mark-up and indicate name of firm. Label each sheet "AS-BUILT" in 1/2 inch high letters. Contractor will provide in BIM format if BIM specification submittals are required
 - b. Show actual position of all underground and otherwise concealed civil, mechanical and electrical lines, conduit, pipes, ducts, etc. Items in areas with accessible ceilings or other ready access will not be considered as being concealed.

- c. In showing changes in the Work, use the same legends as used on the original drawings. Indicate exact locations by dimensions and exact elevations by job datum. Give dimensions from a permanent point.
- d. When manholes, boxes, underground conduits, plumbing hot or chilled water lines, inverts, etc., are involved as part of the Work, the Contractor will furnish true elevations and locations, all properly referenced by using the original bench mark used for this Project.
- e. The Contractor will submit completed as-built drawings to the Owner for coordination.
- f. As-built drawings will contain the names, addresses and phone numbers of the Contractor and the major subcontractors.
- g. The Owner will be the sole judge of the acceptability of the as-built drawings. Receipt and acceptance of the as-built drawings is a pre-requisite for Final Payment.

C. Record Project Manual:

- 1. During progress of the work, maintain one copy of the record project manual, including addenda, change orders and similar modifications issued in printed form during construction. Mark-up variations in actual Work in comparison with text of specification and modification as issued. Give particular attention to substitutions, selection of options, and similar information on Work where it is concealed or cannot otherwise be readily discerned at a later date by direct observation. Note related record drawing information and product data, where applicable.
- 2. Where record project manual is printed on one side of page only, mark variation on blank left-hand pages of record project manual, facing printed right-hand pages containing original text affected by variation.
- 3. Upon completion of the Work, the document information maintained during construction such as addenda, alternates, construction change directives, change orders, work orders, etc. will be recorded as follows:
 - a. Neatly cross out the non-conforming portion of the record project manual and add by writing in the revised portion of the record project manual. Do not revise the record project manual by cutting and pasting the actual addenda, alternates, construction change directive, change orders, work orders, etc., as actually issued by the Owner. The revisions have to be actually written by the Contractor.
 - b. The volume(s) of record project manual will be clearly marked "PROJECT RECORD" in 1/2 inch high letters and bear the name of the Contractor and where applicable, the name of the subcontractor.
 - c. The Contractor will review the completed record project manual and ascertain that all data furnished in the record project manual is accurate

and truly represents the Work as actually installed.

- d. Any deviations from the method of executing the record project manual as described above will be considered just cause for disapproval by the Owner and the Design-Builder will be required to conform and resubmit.
 - e. Submit the record project manual to the Owner for compliance review and approval.
 - f. Upon Owner's approval, the Contractor will submit the completed record project manual and two copies of the record project manual (at Contractor's expense) to the Owner.
4. Information maintained during construction such as addenda, alternates, construction change directives, change orders, work orders, etc. will also be electronically recorded in original word processed documents using strike-throughs for deletions, bold and italic for revisions and additions, and/or other acceptable method(s) where feasible to distinguish between changes.

D. Record Product Data:

During progress of the Work, maintain one copy of each product data submittal and mark-up significant variations in the actual Work in comparison with submitted information. Include both variations in product as delivered to Project site and variations from manufacturer's instructions and recommendations for installation. Give particular attention to concealed products and portions of the Work which cannot otherwise be readily discerned at a later date by direct observation. Note related change orders and mark-up of record drawings and specifications. Upon completion of mark-up, submit three complete sets of product data submittal to Owner for Owner's records. Label each data submittal "PROJECT RECORD" in 1/2 inch high letters.

E. Record Sample Submittal:

Immediately prior to date(s) of Substantial Completion, Owner's personnel will meet with Contractor at Project site and will determine if any of submitted samples maintained by Contractor during progress of the Work are to be transmitted to Owner for record purposes. Comply with Owner's instruction for packaging, identification marking, and delivery to Owner's sample storage space. Dispose of other samples in manner specified for disposal of surplus and waste materials, unless otherwise indicated by Owner.

F. Miscellaneous Record Submittals:

1. Refer to other Sections of these Contract Documents for requirements of miscellaneous record keeping and submittals in connection with actual performance of the Work. Immediately prior to date(s) of Substantial Completion, complete miscellaneous records and place in good order, properly identified and bound or filed, ready for continued use and reference. Submit three sets to Owner for Owner's records. Categories of requirements resulting in miscellaneous work records are recognized to include, but not limited to, the

following:

- a. Required field records on excavations, foundations underground construction, wells and similar Work.
- b. Accurate survey showing locations and elevations of underground lines, including invert elevations of drainage piping, valves, tanks and manholes.
- c. Surveys establishing lines and levels of building.
- d. Soil treatment certification.
- e. Inspection and Test Reports, where not processed as shop drawings or product data.
- f. Concrete mix design record.
- g. Concrete Block Certification.

G. Digital Electronic Format:

1. The Contractor will submit Record Documents, after review and approval by the Owner, in digital electronic format as follows:
 - a. All textual data will be provided in Microsoft Word 2003 (or higher) format. All formatting and tabular data will be preserved. Tabular data will be embedded in the document in Excel 2003 for Windows format.
 - b. All Drawings will be provided in AutoCAD 2000 (or higher) format, as well as a PDF document of each drawing.
 - c. After the documents are in correct digital electronic format, they will be submitted to the Owner on the following media:
 - (1) CDR (minimum 650 MB capacity per disk).
 - d. All media transmittals will be accompanied by a detailed paper printout of the files on each media. This printout will consist of:
 - (1) File name.
 - (2) File size.
 - (3) Date of creation.
 - (4) Submittal number.
 - (5) A brief but accurate description of the file.

1.07 GUARANTEES AND WARRANTIES

- A. Prior to Final Acceptance, all guarantees and warranties, as specified under various sections of the Contract Documents, will be obtained by the Contractor, addressed to

and in favor of the Owner, and delivered to the Owner in duplicate giving a summary of the guarantees and warranties attached and stating the following with respect to each:

1. Character of work affected
 2. Name of subcontractors
 3. Period of guarantee/warranty
 4. Conditions of guarantee/warranty
- B. Delivery of said guarantees and/or warranties will not relieve the Contractor from any obligations assumed under any other provision of the Contract.
- C. If, within any guarantee and/or warranty period, repairs or changes are required in connection with the guaranteed and/or warrantied work, which in the opinion of the Owner is rendered necessary as the result of the use of materials, equipment or workmanship which are defective, inferior or not in accordance with the terms of the Contract, the Contractor will, upon receipt of notice from the Owner, and without expense to the Owner, proceed within seven calendar days to:
1. Place all guaranteed and/or warrantied work in satisfactory conditions correct all defects therein, and make good all damages to the structure or site.
 2. Make good all work or materials, or the equipment and contents of structures or site, disturbed in fulfilling any such guarantee and/or warranty.
- D. If the Contractor, after notice, fails to comply with the terms of the guarantee and/or warranty, the Owner may have the defects corrected and the Contractor and Contractor's surety will be liable for all expenses incurred, including Owner's fees.

1.08 OPERATING INSTRUCTIONS AND MAINTENANCE MANUALS

- A. Prior to Final Acceptance, complete operating instructions and maintenance manuals will be obtained by the Contractor for each piece of equipment or system furnished under the Contract. Organize operating and maintenance data into suitable sets of manageable size. Bind properly indexed data in individual heavy-duty 2-inch, 3-ring vinyl-covered binders, with pocket folders for folded sheet information. Mark appropriate identification on front and spine of each binder.
1. Submit three copies of each completed manual on equipment and systems, in final form, to the Owner for review and distribution. Provide separate manuals for each unit of equipment, each operating system, and each electric and electronic system.
 2. Refer to Specification Sections for individual requirements on operating and maintenance of the various pieces of equipment and operating systems.
- B. Equipment and Systems:

1. Provide the following information for each piece of equipment, each building operating system, and each electric or electronic system.
 - a. Description: Provide a complete description of each unit and related component parts, including the following:
 - (1) Equipment or system function.
 - (2) Operating characteristics.
 - (3) Limiting conditions.
 - (4) Performance curves.
 - (5) Engineering data and tests.
 - (6) Complete nomenclature and number of replacement parts.
 - b. Manufacturer's Information: For each manufacturer of a component part of a piece of equipment provide the following:
 - (1) Printed operating and maintenance instructions.
 - (2) Assembly drawings and diagrams required for maintenance.
 - (3) List of items recommended to be stocked as spare parts.
 - c. Maintenance Procedures: Provide information detailing essential maintenance procedures, including the following:
 - (1) Routine operations.
 - (2) Trouble-shooting guide.
 - (3) Disassembly, repair and reassembly.
 - (4) Alignment, adjusting and checking.
 - d. Operating Procedures: Provide information on equipment and system operating procedures, including the following:
 - (1) Start-up procedures.
 - (2) Equipment or system break-in.
 - (3) Routine and normal operating instructions.
 - (4) Regulation and control procedures.
 - (5) Instructions on stopping.
 - (6) Shut-down and emergency instructions.
 - (7) Summer and winter operating instructions.
 - (8) Required sequences for electric or electronic systems.
 - (9) Special operating instructions.
 - e. Servicing Schedule: Provide a schedule of routine servicing and lubrication requirements, including a list of required lubricants for equipment with moving parts.
 - f. Controls: Provide a description of the sequence of operation and as-installed control diagrams by the control manufacturer for systems requiring controls.
 - g. Coordination Drawings: Provide each Contractor's coordination

drawings.

(1) Provide as-installed color-coded piping diagrams, where required for identification.

h. Valve Tags: Provide charts of valve tag numbers with the location and function of each valve.

i. Circuit Directories: For electric and electronic systems, provide complete circuit directories of panel-boards, including the following:

(1) Electric service.

(2) Controls.

(3) Communication.

1.09 REPLACEMENT MATERIALS

Prior to Final Acceptance, Contractor will store at the Project site, in location directed by Owner, all replacement materials which may be required by other sections of these Contract Documents.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

3.01 EQUIPMENT OPERATIONAL DEMONSTRATIONS

A. Subsequent to Substantial Completion of the whole Work or designated portions thereof, and prior to Final Acceptance, the Contractor will provide a competent and experienced person thoroughly familiar with the Work to demonstrate and instruct the Owner's personnel in operation, adjustment and maintenance of products, equipment and systems. This instruction will include normal start-up, run, stop, and emergency operations, location and operation of all controls, alarms and alarm systems, etc. The instruction will include tracing the system in the field and on the diagrams in the instruction booklets so that the Owner's operating personnel will be thoroughly familiar with both the system and the data supplied. Provide instruction at mutually agreed upon times.

1. Use operation and maintenance manuals for each piece of equipment or system as the basis of instruction. Review contents in detail to explain all aspects of operation and maintenance.

2. For equipment that requires seasonal operation, provide similar instruction during other seasons.

B. If installers and/or Contractor's personnel are not experienced in procedures, provide instruction by manufacturer's representatives. Include a detailed review of the following items:

1. Maintenance manuals.
2. Record documents.
3. Spare parts and materials.
4. Tools.
5. Lubricants.
6. Fuels.
7. Identification systems.
8. Control sequences.
9. Hazards.
10. Cleaning.
11. Warranties and bonds.
12. Maintenance agreements and similar continuing commitments.
13. Similar procedures and facilities.
14. Any other appropriate item.

C. As part of instruction for operating equipment, demonstrate the following procedures:

1. Start-up.
2. Shut down.
3. Emergency operations.
4. Noise and vibration adjustments.
5. Safety procedures.
6. Economy and efficiency adjustments.
7. Effective energy utilization.
8. Similar operations.
9. Any other appropriate procedure.

D. Review maintenance and operations in relation to applicable warranties, agreements to maintain bonds, and similar continuing commitments.

E. Owner will be notified in writing of scheduling and completion of all equipment operational instructions and demonstrations.

END OF SECTION

SECTION 01740 - WARRANTIES

PART 1 - GENERAL

1.01 SUMMARY

A. This Section specifies general administrative and procedural requirements for warranties required by the Contract Documents, including manufacturer's standard warranties on products and special warranties.

1. Refer to Section 00700, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, as modified, for terms of the Contractor's special warranty of workmanship and materials.
2. General closeout requirements are included in Section 01700 - PROJECT CLOSEOUT.
3. Specific requirements for warranties for the Work and products and installation that are specified to be warranted are included in the individual Sections of the Specifications.
4. Certifications and other commitments and agreements for continuing services to Owner are specified elsewhere in the Contract Documents.

B. Disclaimers and Limitations:

Manufacturer's disclaimers and limitations on product warranties do not relieve the Contractor of the warranty on the Work that incorporates the products, nor does it relieve suppliers, manufacturers, and subcontractors required to countersign special warranties with the Contractor of Contractual warranty requirements.

1.02 DESCRIPTION OF REQUIREMENTS/DEFINITIONS

A. Categories of Specific Warranties:

1. It is recognized that warranties on the Work are in several categories, including those of the conditions of the Contract and including (but not necessarily limited to) the following specific categories related to the individual units of Work specified in the sections of the Specifications:
 - a. Special Warranty (Guarantee): A warranty specifically written and signed by the Contractor for a defined portion of the Work; and, where required, countersigned by subcontractor, installer, manufacturer or other entity engaged by Contractor. Formerly generally recognized as (and sometimes specified in Contract Documents as) a "guarantee".
 - b. Specified Product Warranty: A warranty which is required by Contract Documents to be provided for a manufactured product which is incorporated into the Work, regardless of whether the manufacturer has published the warranty without consideration for specific incorporation

of product into the Work, or has written and executed the warranty as a direct result of Contract Documents requirements.

- c. Coincidental Product Warranty: A warranty which is not specifically required by Contract Documents (other than as specified in this Section) but which is available on a product incorporated into the Work by virtue of the fact that the manufacturer of the product has published the warranty in connection with purchases and uses of product without regard for specific applications, except as otherwise limited by terms of the warranty.

B. Definition: Manufactured Product:

A physical item for incorporation into the Work which has been produced from raw or natural materials by a manufacturing process and which is purchased from a manufacturer either specifically for the Work or for Contractor's/subcontractor's/fabricator's/installer's stock from which it is drawn for incorporation into the Work.

C. General Limitations:

- 1. It is recognized that specific warranties are intended primarily to protect Owner against failure of Work to perform as required and against deficient, defective and faulty materials and workmanship, regardless of sources. Except as otherwise indicated, specific warranties do not cover failures in Work which result from:
 - a. Damage or defect caused by abuse
 - b. Modifications not executed by the Contractor
 - c. Improper or insufficient maintenance
 - d. Improper operations, or normal wear and tear under normal usage
- 2. Although manufacturer's commitments in product warranties on products used in the Work are generally written to exclude product failures which result from failure of other Work (such as failure of substrate supporting product), such limitations in product warranties do not relieve Contractor of the more general warranties on Work which incorporates use of such products. Except as otherwise indicated, this same relationship applies to units of Work performed by other entities (other than manufacturers), such as fabricators, installers and subcontractors, who are required to countersign special Project warranties with Contractor for such units of Work.

1.03 WARRANTY REQUIREMENTS

A. Related Damages and Losses:

When correcting warranted Work that has failed, remove and replace other Work that has been damaged as a result of such failure or that must be removed and replaced to

provide access for correction of warranted Work.

B. Reinstatement of Warranty:

When Work covered by a warranty has failed and been corrected by replacement or rebuilding, reinstate the warranty by written endorsement. The reinstated warranty will be equal to the original warranty from the date of correction or rebuilding.

C. Replacement Cost:

Upon determination that Work covered by a warranty has failed, replace or rebuild the Work to an acceptable condition complying with requirements of Contract Documents. The Contractor is responsible for the cost of replacing or rebuilding defective Work regardless of whether the Owner has benefited from use of the Work through a portion of its anticipated useful service life.

D. Owner's Recourse:

1. Written warranties made to the Owner are in addition to implied warranties and will not limit the duties, obligations, right and remedies otherwise available under the law, nor will warranty periods be interpreted as limitations on time in which the Owner can enforce such other duties, obligations, rights, or remedies.
 - a. Rejection of Warranties: The Owner reserves the right to reject warranties and to limit selections to products with warranties not in conflict with requirements of the Contract Documents.
2. The Owner reserves the right to refuse to accept Work for the Project where a special warranty, certification, or similar commitment is required on such Work or part of the Work until evidence is presented that entities required to countersign such commitments are willing to do so.

1.04 SUBMITTALS

A. Submit written warranties to the Owner prior to the date certified for Final Payment.

1. When a special warranty is required to be executed by the Contractor, or the Contractor and a subcontractor, supplier or manufacturer, prepare a written document that contains appropriate terms and identification, ready for execution by the required parties.

Submit a draft to the Owner for approval prior to final execution.

- a. Refer to individual sections of Division 2 through 16 for specific content requirements and particular requirements for submittal of special warranties.
2. Submit specific warranties for beginning of the warranty periods. Date(s) will be inserted to correspond with certification or acceptance dates, as established and

accepted by the Owner.

B. Form of Submittal:

1. Compile two copies of each required warranty properly executed by the Contractor, or by the Contractor, subcontractor, supplier, or manufacturer. Organize the warranty documents into an orderly sequence based on the table of contents of the Record Project Manual.
2. Bind warranties in heavy-duty, commercial quality, durable 3-ring vinyl covered loose-leaf binders, with thickness as necessary to accommodate contents, and sized to receive 8-1/2" by 11" paper.
 - a. Provide heavy paper dividers with celluloid covered tabs for each separate warranty. Mark the tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address and telephone number of the installer.
 - b. Identify each binder on the front and the spine with the typed or printed title 'WARRANTIES AND BONDS,' the Project title or name, and the name of the Contractor.
3. When operating and maintenance manuals are required for warranted construction, provide additional copies of each required warranty, as necessary, for inclusion in each required manual.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF SECTION



AVIATION AUTHORITY
APPLICATION FOR PAYMENT

APPLICATION No.: _____ for the period ending: _____
HCAA PROJECT No.: _____
PROJECT DESCRIPTION: _____
CONTRACT TYPE: [] Design-Bid [] Design-Build [] Const Mgmt.
APPLICANT: _____
ADDRESS: _____

The present status of this Contract is as follows:

Table with 2 columns: Description and Amount. Rows include ORIGINAL GMP / CONTRACT SUM, NET CHANGE BY PREVIOUS CHANGE ORDERS, GMP or CONTRACT SUM TO DATE, TOTAL COMPLETED & STORED TO DATE, CURRENT RETAINAGE AMOUNT, TOTAL EARNED LESS RETAINAGE, LESS PREVIOUS CERTIFICATES FOR PAYMENT, and CURRENT PAYMENT DUE.

The undersigned Contractor / Design Builder / Construction Manager certifies that to the best of their knowledge, information and belief, the work covered by this Application has been completed in accordance with the Contract Documents; that all amounts have been paid by the undersigned for work for which previous Certificates for Payment were issued and payments received from the Owner; and that current payment shown herein is now due.

In consideration of the amounts and sums received, the undersigned does hereby waive and release to the Owner any and all claims and liens and rights to liens upon the premises described below, and upon improvements now thereon, and upon the monies or other considerations (due as of the date of the aforesaid payment application or invoices from the Owner or from any other person, firm or corporation), said claims and liens and rights to liens being on account of labor, services, materials, fixtures or apparatus heretofore furnished by or at the request of the undersigned. The premises as to which said claims and liens and right to liens are hereby released as identified above.

The undersigned further represents and warrants that s/he is duly authorized and empowered to sign and execute this waiver on her/his own behalf and on behalf of the company or business for which s/he is signing; that s/he has properly performed all work and furnished all the materials of the specified quality per plans and specifications and in a good and workmanlike manner through the date of said payment application or invoice; that s/he has paid for all the labor, materials, equipment, and services that s/he has used or supplied to the above premises through the date of said payment application or invoice; that s/he has no other outstanding and unpaid payment applications, invoices, retentions, holdbacks, chargebacks or unbilled work or material against the Owner as of the date of the aforementioned payment application; and that any materials which have been supplied or incorporated into the above premises were either taken from his fully-paid or open stock or were fully paid for and supplied as stated on the statements accompanying the said payment application or invoice.

The undersigned further agrees to reimburse and does hold harmless and fully indemnify Owner for any losses or expenses should any such claims, lien or right to a lien be asserted (by the undersigned or by any laborer, materialman or subcontractor or the undersigned), including, without implied limitation, attorneys' fees incurred in the defense thereof.

The undersigned further accepts and acknowledges the receipt of the aforesaid sums in full accord and satisfaction for the aforementioned claims with full knowledge that the Owner, its successors and assigns, are relying thereon; and furthermore, the undersigned agrees to perform, now and in the future, each and every covenant and provision of his written contract as modified or changed in writing with the Owner, hereby acknowledging that said contract is now in full force and effect.

In addition, for and in consideration of the amounts and sums received, the undersigned hereby waives, releases and relinquishes any and all claims, rights or causes of action whatsoever arising out of or in the course of the work performed on the above-mentioned project, contract or event transpiring prior to the date hereof, excepting the right to receive payment of work performed and properly completed and retainage, if any, after the date of the above-mentioned payment application or invoices.

CONTRACTOR/DESIGN BUILDER/CONSTR. MGR.

By _____ Date _____
State of _____ County of _____
Subscribed and sworn to/before me this _____ day of _____ year
Notary Public: _____
My commission expires: _____

DESIGN PROFESSIONAL'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, on-site observations and the data comprising the above application, the Architect / Engineer certifies that the Work has progressed as indicated; that to the best of their knowledge, information and belief, the quality of the Work is in accordance with the Contract Documents; and that the Applicant is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ _____

Design Professional _____ Date _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Applicant named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner under this contract.

ACKNOWLEDGED:

HCAA Construction Project Manager _____ Date _____

Director of Construction _____ Date _____

Jeff Siddle, P.E. _____ Date _____

Vice President of Planning & Development

APPROVED FOR PAYMENT:

By: Al Illustrato _____ Date _____

Executive Vice President of Facilities and Administration



Johnson Controls, Inc
 Building Efficiency
 3802 Sugar Palm Drive
 Tampa, FL 33619
 Tel: 813-623-1188
 Fax: 813-635-2276

PROPOSAL

Date: September 13th, 2017
 Page 1 of 3

Attn.: Nick D'Jimas
 Tampa International Airport
 P.O. Box 22287
 Tampa, Florida 33622

Airside "A" Panel Upgrades Tampa International Airport

Nick:

Johnson Controls, Inc. is proposing the following for replacing the existing 2 and 5 Slot control panels at the Airside "A" Terminal. We will provide engineered submittals, installation, materials, system validation, as built drawings and operation and maintenance manuals. The new NAEs will be installed and the infrastructure brought online first and then each panel will be upgraded. This project will include a W/MBE participation just over 24%.

WORK PERFORMED PER PANEL

- Map new points on OWS (4 hours)
- Place all equipment in local manual operation
- Label and disconnect wires and pneumatics (2.5 hours)
- Remove panel (1.5 hour)
- Install new DDC panel (2 hours)
- Re-connect wires and pneumatics (8 hours)
- Verify readings and sequence (2 hours)

The price for upgrading the entire Airside "A" Terminal from the NCU/NCM arcnet architecture to the new FEC/NAE BACnet architecture:

Five Hundred Forty Six Thousand

\$546,000.00

Sequence of Work:

- At the start of the working day, typically 7:00 A.M. and after approval of the HCAA project manager, the AHU system will be placed in Hand operation (VFD or Starter in Hand and VFD placed at a speed agreed upon by the HCAA project manager). Valves will resort to their fail position (usually closed for heating and open for cooling if AHU was replaced in the last ten years)
- Existing panel wiring will be identified
- Existing panel will be removed
- New FEC panel will be installed
- Begin wiring the new FEC panel
- The AHU system will remain in Hand mode during after-hours operation (typically after 3:30 P.M.)
- Complete wiring the new FEC panel
- Verify readings and sequence of operation with HCAA Maintenance department
- Complete as-built drawing and place laminated copy in HCAA archive folder
- Begin same sequence for next AHU system

On systems where (2) AHU systems are controlled by (1) panel, one AHU system will be worked on at a time and both FEC panels will be installed and working in a temporary location near the existing panel location until the entire existing panel can be removed and the new FEC panels can be moved in the existing panel's location.

CLARIFICATIONS

- ❖ **If, at the discretion of the HCAA project manager, the sequence order needs to move the Central Energy Plant up in order to perform the upgrade at a time of cooler weather, this will be performed at no time delay or cost to the HCAA.**
- ❖ All existing sensors will remain. If sensors are in need of being replaced, recommendations will be made to the HCAA project manager and will be replaced at HCAA's discretion at an additional cost
- ❖ The VFDs that are controlled by the N2 Bus (Start/Stop, Status & Speed Command) will be wired to the associated new FEC controllers
- ❖ **Project warranty will be for 1 year from substantial completion. There is no service contract included in this proposal.**

NC Layout and Their Associated Equipment for Airside "A" Only

NC-17	NC-18	NC-19	NC-19	A_NAE-1
PCA CH-1	A_AHU-1	A_AHU-6	A_FC-30	A_FCU-36
PCA CH-2	A_AHU-2	A_AHU-7	A_FC-31	A_FCU-37
PCA-CH-3	A_AHU-3	A_AHU-8	A_FC-32	A_FCU-38
CHILLER 1	A_AHU-4	A_AHU-9	A_FC-33	A_FCU-39
CHILLER 2	A_AHU-5	A_AHU-10	A_FC-35	A_FCU-40
CLG TWR 1	A_AHU-14	A_AHU-12	A_FC-57	A_FCU-41
CLG TWR 2	A_AHU-15	A_AHU-13	A_FC-59	A_FCU-42
MISC.	A_AHU-16	A_AHU-17	A_FC-60	A_FCU-43
	A_FC-1	A_AHU-18	A_FC-61	A_FCU-44
	A_FC-2	A_AHU-19	A_FC-62	A_FCU-45
	A_FC-6	A_AHU-S1	A_FC-63	A_FCU-46
	A_FC-7	A_AHU-S2	A_FC-64	A_FCU-47
	A_FC-22	A_BAH-12	A_FC-65	A_FCU-48
	A_FC-23	A_BAH-14	A_FC-66	A_FCU-49
	A_FC-34	A_BAH-17	A_FC-67	A_FCU-50
	A_BAH-4	A_BAH-17	A_FC-68	A_FCU-51
	A_BAH-5	A_BAH-18	A_FC-69	A_FCU-52
	A_BAH-6	A_FC-3	A_FC-70	A_FCU-53
	A_BAH-7	A_FC-4	A_FC-71	A_FCU-54
	A_BAH-8	A_FC-5	A_FC-72	A_FCU-55
	A_BAH-9	A_FC-9	A_FC-73	A_FCU-56
	A_BAH-11	A_FC-10	A_GAH-12	A_FCU-57
	A_GAH-3	A_FC-11	A_GAH-14	A_FCU-58
	A_GAH-4	A_FC-19	A_GAH-15	
	A_GAH-5	A_FC-20	A_GAH-16	
	A_GAH-6	A_FC-21	A_GAH-17	
	A_GAH-7	A_FC-24	A_GAH-18	
	A_GAH-8	A_FC-25		
	A_GAH-9	A_FC-26		
	A_GAH-10	A_FC-27		
	A_GAH-11	A_FC-28		
	A_VAV-1	A_FC-29		