# **SECTION 01500 - FACILITIES AND TEMPORARY CONTROLS**

1.01 SUMMARY

General: Providing adequate temporary facilities is the sole responsibility of the Contractor, and is not limited to minimums established by requirements hereof. Use of alternative temporary facilities is Contractor's option, subject to A/E's acceptance.

Work Included: Temporary facilities and controls required for this Work include, but are not necessarily limited to: temporary utilities such as heat, water, electricity, and telephone; field offices and sheds; sanitary facilities; enclosures such as temporary partitions, tarpaulins, barricades, and canopies; fencing of the construction area only as required to comply with insurance and specified requirements; dewatering facilities and drains; temporary HVAC and humidity control; project signs; maintaining required fire resistance.

### 1.02 SUBMITTALS

Reports and Permits: Submit copies of whatever reports of inspections, tests, gage readings and similar data and copies of permits and certificates have been secured for the operation of temporary construction

### 1.03 QUALITY ASSURANCE

Regulations: Comply with governing regulations for installation and use of temporary construction facilities, including health and safety regulations, pollution, environmental protection and conservation regulations.

2.01 MATERIALS OF TEMPORARY FACILITIES

General: Provide materials and equipment, which are in substantially undamaged condition and without significant deterioration in compliance with appropriate standards, as being suitable for intended use in each case, and capable of being maintained properly through course of anticipated use at project site.

## 2.02 FIELD OFFICES AND SHEDS

A. Provide enclosed space adequate for holding project meetings. Maintain sanitary facilities in a sanitary

### 2.03 PROJECT SIGNS

General: Furnish and install at the commencement of work, one project identification the sign, design, lettering and construction shown as provided by the A/E. Locate as directed by the Architect. Allow no signs or advertising of any kind on the job site except as specifically approved in advance by the Architect and Owner.

PART 3 - EXECUTION
3.01 MAINTENANCE AND REMOVAL

Operate, maintain, control and protect temporary construction facilities as long as needed in a manner which will prevent overloading, freezing, pollution, contamination of water source, flooding, unsanitary conditions, hazardous exposures, fire, disease, erosion of site, damage or deterioration of completed work, public nuisances, and similar deleterious effects

Remove all such temporary facilities and controls as rapidly as progress of the Work will permit, or as directed by the Architect.

C. Complete work which may have been delayed because of interferences with temporary facilities, and restore work which may have been affected by temporary facilities. Repair damaged work, clean, and replace work which cannot be satisfactorily restored.

### 3.02 SAFETY

A. Project safety is the responsibility of the Contractor. Comply with all applicable federal, state and local laws, ordinances, rules, regulations, and orders of governing authorities having jurisdiction for the health, safety and welfare of persons and property to protect them from damage, injury, and loss.

## END OF SECTION 01500

## SECTION 01300 - SUBMITTALS

PART 1 - GENERAL RELATED DOCUMENTS:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification sections, apply to work in this section. 1.02 DESCRIPTION OF REQUIREMENTS:

The types of submittal requirements specified in this section include shop drawings, product data, samples and miscellaneous work-related submittals Individual submittal requirements are specified in applicable sections for each unit of work.

Refer to other Division 1 sections and other contract documents for requirements of administrative submittals. Submittals will not be reviewed unless prior approval of material or product has been given or unless submittal is a formal request

for substitution meeting requirements of Section 01600 - Products and Substitutions. Work-related submittals of this section are categorized for convenience as follows: Shop drawings include specially - prepared technical data for this project, including detailed and dimensioned drawings,

connections, fittings, material finishes, sizes, design data, diagrams, performance curves, data sheets, schedules, wiring diagrams, risers, and similar information not in standard printed form for general application to a range of similar projects Product data includes standard printed information on materials, projects and systems not specially-prepared for this project, other than the designation of selections form among available choices printed therein.

Samples include both fabricated and un-fabricated physical examples of materials, products and units of work; both as complete units and as smaller portions of units of work; either for limited visual inspection or where indicated, for more detailed testing and analysis. Mock-ups are special forms of samples, which are too large or otherwise inconvenient for handling the manner specified for transmittal of sample submittals.

Miscellaneous submittals related directly to the work (non-administrative) include warranties, maintenance agreements, workmanship bonds, project testing and certifying reports, copies of industry standards, record drawings field measurement data, operating and maintenance materials, overrun stock and similar information, devices and materials applicable to the work and not processed as shop drawings, product data or samples

1.03 GENERAL SUBMITTAL REQUIREMENTS: Submittal Procedure: Submittals are to be submitted directly to the Owner & Architect with the appropriate Letter of Transmittal Form. Submittals which are received from sources other than through Contractor's office will be returned by Architect/Engineer "without

action". Submittals Scheduling: Prepare a submittal schedule within 10 days of Owner-Contractor Agreement showing all required workrelated submittals and time requirements for coordination of submittal activity with related work.

1. Failure to provide a submittals schedule for approval shall be considered justification by the Architect to reject the Contractor's first pay application. 2. Coordinate different submittals for the same or directly related units of work to avoid delays resulting from the Project Architect's need to review submittals concurrently for coordination. No extension of time or substitution of materials will be granted as a result of failure to

transmit submittals to the Project Architect sufficiently in advance of the work. 3.Indicate on the submittals schedule early and final dates for Architect's actions. 4. Schedule submittals to expedite the project, and deliver to Architect and Construction Manager at business address.

5.Distribute copies of reviewed submittals as appropriate in a timely manner. Instruct parties to promptly report any inability to comply with

C.All submittals for the entire project shall be received by the Architect/Engineer for review not later than 30 (thirty) days from Notice to Proceed. Specific submittal requirements for Divisions 15 and 16 are noted in the Mechanical and Electrical General Provisions. Acceptance of submittals: Show Contractor's executed review and approval stamp signed and dated, certifying that review,

verification of products required, field dimensions, adjacent construction work and coordination of information is in accordance with the requirements of the Work and Contract Documents. Submittals received without the Contractor's reviewed and approved stamp will be returned without processing or review.

Contractor's stamp shall signify he has reviewed the submittal and is satisfied the information contained therein is correct and acceptable

unless otherwise noted. Coordinate submission of related items. Identify variations from contract documents and product or system limitations, which may be detrimental to successful performance of the completed work.

When revised for resubmission, identify all changes made since previous submission

For each submittal for review, allow 15 days excluding delivery time to and from the Contractor. Submittals received by the Architect after 3 PM will be logged in as received on the next business day.

Format: All submittals will be on 24" x 36" sheets or 8 ½" x 11" sheets, without exception. Do not reproduce contract documents for use as submittals.

SPECIFIC-CATEGORY SUBMITTAL REQUIREMENTS:

Professional Certification: When professional certification of performance criteria of materials, systems or equipment is required by the Contract Documents, the Architect shall be entitled to rely upon the accuracy and completeness of such calculations and certification. All documents shall bear the seal and signature of the State of Florida.

Shop Drawings: Provide newly-prepared information on either 24" x 36" or 11" x 81/2" sheet size, with graphic information at accurate scale (except as otherwise indicated, and with name of preparer indicated (firm name). Show dimensions and note which are based on field measurement. Identify materials and products in the work shown. Indicate compliance with standard and special coordination requirements. Do not allow shop drawing copies without appropriate final "Action" markings by Architect/Engineer to be issued in

Submit 7 (seven) copies of all data, literature, drawings, etc. unless otherwise determined at the preconstruction conference. All copies will be stamped and marked with identical information.

Product Data: Collect required data into submittal for each unit of work of system and mark each copy to show which choices and options are applicable to project. Include manufacturer's standard printed recommendations for application and use, notation of field measurements which have been checked and special coordination requirements. Maintain one set of product data (for each submittal) at project site, available for reference by Architect/Engineer and others.

Submittals: Do not submit product data or allow its use on the project until compliance with requirements of contract documents has been confirmed by Contractor. Submittal is for information and record, unless returned promptly by Architect/Engineer, marked with an action which indicates an observed non-compliance. Submit 7 (seven) copies, plus 2 (two) additional copies which will be returned, where required for maintenance manuals.

a) Provide a preliminary single-copy submittal where required (or desired by Contractor) for selection of options by the Architect/Engineer and others.

Installer's Copy: Do not proceed with installation of materials, products or systems until final copy of applicable product data is in

Samples: Provide units identical with final conditions of proposed materials or products for the work. Included Arange@ samples (not less than three units) where unavoidable variations must be expected and describe or identify where Architect/Engineer's selection is required. Prepared samples to match Architect/Engineer's sample where indicated. Include information with each sample to show generic description, source of project name and manufacturer, limitations and compliance with standards. Samples are submitted for review an confirmation of color, pattern, texture and "kind" by Architect/Engineer. Architect/Engineer will not "test" samples (except as otherwise indicated) for compliance with other requirements, are therefore the exclusive responsibility of the Contractor.

Submittal: At Contractor's option, provide preliminary submittal of a single set of samples for Architect/Engineer's review and "Action". Otherwise, initial submittal is final submittal; 1 (one set will be returned). Quality Control Set: Maintain returned final set of samples at project site, in suitable condition and available for quality control

comparison by Architect/Engineer and by others. Reusable Samples: Returned samples which are intended or permitted to be incorporated in the work sections, and must be in undamaged condition at time of use. Mock-Ups: Are similar samples specified in individual work sections and are recognized as a special type of sample. Comply with

requirements for "samples" to greatest extent possible and process transmittal forms to provide a record Inspection and Test Reports: Classify each as either "shop" drawings" or "product data" depending on whether the report is uniquely prepared for project or a standard publication of workmanship control testing at the point of production. Process accordingly. Warranties: Refer to "Products" section for specific general requirements on warranties, product bonds, workmanship bonds and maintenance agreement. In addition to copies desired for the Contractor's use, furnish 6 (six) executed copies except furnish additional (to be confirmed) copies where required for maintenance manuals.

Survey Data: Refer to "Procedures" section for specific general data requirements on property surveys, field measurements. quantitative records of actual work, damage surveys, and similar data required by the individual sections of these specifications. None of the specified copies will be returned. Records of Actual Work: Furnish 6 (six) copies, two of which will be returned for inclusion in "Record Documents" as specified in

"Closeout" section. Standards: Where copy submittal is indicated and except where specified integrally with "Product Data" submittal, submit a single copy for the Architect/Engineer's use. Where workmanship at project site or elsewhere is governed by a standard, furnish additional copies

to fabricators, installers and to others involved in the performance of the work. K. <u>Closeout Submittals</u>: Refer to section 01700 "Project Closeout" and to individual sections for specific submittal requirements of project closeout information, materials, tools and similar items. General Distribution: Provide additional distribution of submittals (not included in foregoing copy submittal requirements) to

subcontractors, suppliers, fabricators, installers, governing authorities and others as necessary for the proper performance of work. Include such additional copies in transmittal to the Architect/Engineer where required to receive "Action" before final distribution. Record distributions on transmittal form. 1.05 ACTION ON SUBMITTALS: A. Architect/Engineer's Action: Following Owner review and comment, the Architect shall review and take action on submittal with

reasonable promptness, so as to cause no delay in the progress. A reasonable period of time for review and action of submittals shall be as specified herein, but in no case shall it be less than 10 (ten) calendar days from the time it is received by the Architect until the time the submittals is marked and forwarded or returned. Contractors shall allow sufficient mailing time for submittals. Action Stamp: Architect/Engineer action stamp, for use on submittals to be returned to Contractor, is self-explanatory as marked. END OF SECTION 01300

# **SECTION 01600 - PRODUCT REQUIREMENTS**

PART 1 -- GENERAL

1.01 RELATED DOCUMENTS:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification

sections, apply to work in this section. 1.02 SUBSTITUTION REQUESTS: A. Submit a separate request for each proposed substitution; 2 copies each on form bound into Project Manual. Document each

request with complete data substantiating compliance of proposed substitution with requirements of Contract Documents. During Bidding period, times for submittal of substitution requests are stated in the Instructions to Bidders. After Bidding period, up to 30 days after date of Notice to Proceed, written requests will be considered from Contractor for

proposed substitutions of products. Subsequent requests will be considered only in case of product unavailability or other condition beyond control of the Contractor.

Do not order or install substitute product without written acceptance.

Do not imply or indicate substitutions on shop drawings or product data submittals without a separate formal request. Architect and Owner will determine acceptability of substitution. The burden of proof of acceptability of a proposed substitution is upon the submitter; information submitted must convince the reviewer that characteristics of the proposed substitution are equal to or better than those of the specified product.

Only one request for substitution for each product will be considered. If not accepted, Contractor shall provide specified product, 1.02 CONTRACTOR'S REPRESENTATION:

Request for substitution constitutes a representation that the Contractor:

Has investigated the proposed product and determined that it is equal to or superior in all respects to the specified product. Will provide same or greater warranties for proposed product as for the specified product.

Will coordinate installation of substitution accepted into the Work and make other changes and adjustments as may be required

to make the Work complete in all respects. Waives all claims for additional costs due to substitution which may later become apparent.

1.03 QUALITY ASSURANCE: To the fullest extent possible, provide products of the same kind, from a single source.

When the Contractor is given the option of selecting between two or more products for use on the Project, the product selected shall be compatible with products previously selected, even if previously selected products were also options.

Except for required labels and operating data, do not attach or imprint manufacturers or producer's nameplates or trademarks on exposed surfaces of products which will be exposed to view in occupied spaces or on the exterior 1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING:

A. Deliver, store and handle products in accordance with the manufacturer's recommendations, using means and methods that will prevent damage, deterioration and loss, including theft.

Deliver products to the site in the manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting and installing. Inspect products upon delivery to ensure compliance with the Contract Documents, and to ensure that products are undamaged

and properly protected. Store products at the site in a manner that will facilitate inspection and measurement of quantity or counting of units.

1.05 PRODUCT SELECTION: Provide products complete with all accessories, trim, finish, safety guards and other devices and details needed for a complete installation and for the intended use and effect.

B. Provide standard products, which meet the specified requirements, of types that have been produced and used successfully in similar situations on other projects.

Product selection is governed by the Contract Documents and governing regulations, not by previous project experience. Procedures governing product selection include the following:

Where only a single source product or manufacturer is named, provide the product indicated or submit a request for substitution for any product or manufacturer not named. Where two or more sources of products or manufacturers are named, provide one of the products indicated or submit a request for

substitution for any product or manufacturer not named. 3. Where Specifications describe a product or assembly, listing exact characteristics required, without use of a brand or trade name, provide any product or assembly that provides the characteristics and otherwise complies with Contract requirements.

4. Where Specifications require compliance with performance requirements, provide any products that comply with the specified Where the Specifications only require compliance with an imposed code, standard or regulation, select a product that complies

with the standards, codes or regulations specified. Where Specifications require matching an established Sample, the Architect's decision will be final on whether a proposed product matches satisfactorily.

Where specified product requirements are indicated to be selected from manufacturer's standard colors, patterns, textures, or similar condition, select a product and manufacturer that complies with other specified requirements. The Architect will select the color, pattern and texture from the product line selected.

The description of specific qualities takes precedence over specified reference standards. The description of specific qualities and specified reference standards together take precedence over the named products of designated manufacturers. Source Manufacturers:

Primary source products and manufacturers named in a Specification section are listed as standards of quality to which other products will be compared. Additional source manufacturers named in a specification are those manufacturers considered by the Architect as generally

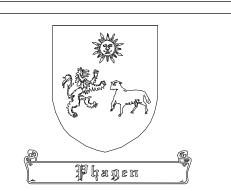
capable of manufacturing products which may conform to the specified requirements. However, their being listed does not guarantee or imply that any or all of their products will be considered as equal to the specified requirements. 1.06 MANUFACTURER'S INSTALLATION INSTRUCTIONS: A. When Contract Documents require installation of work to comply with manufacturer's printed instructions, obtain and distribute

copies of such instructions to all parties involved in the installation. B. Handle, install, connect, condition, clean, and adjust products in accordance with such instructions and in conformance with specified requirements. Should job conditions or specified requirements conflict with manufacturer's instructions, notify Architect for additional instructions.

Do not omit preparatory steps or installation procedures unless specifically modified or exempted by Contract Documents. Do not proceed with work without clear instructions.

PART 2 -- PRODUCTS

PART 3 -- EXECUTION Not Used



Eugene R Fagan III Architect #11668

PO Box 30211 West Palm Beach, FI 33420 (561) 385-4514 Eugene@FaganArchitect.com

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Consultant: ANDREW MORGAN SERVICES - STRUCTURAL ENGINEER 513 US HIGHWAY 1 SUITE 109 NORTH PALM BEACH, FLORIDA 33408 561-881-8999

AMORGANSERVICES@GMAIL.COM

BACH@BACHENGINEERS.COM

Consultant BD BACH DESIGN ENGINEERS - MECHANICAL ENGINEERS 381 S.E. 10TH STREET POMPANO BEACH, FLORIDA 33060 954-461-4314

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