



# MANATEE COUNTY

March 24, 2011

All Interested Bidders:

**SUBJECT: IFB #11-0576-OV Manatee County Utilities Maintenance  
and Administration Building  
Bradenton, FL (Project No. 60697)**

## **ADDENDUM #1**

**Bidders are hereby notified that this Addendum shall be acknowledged on page 00300-1 of the attached Revised Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgement of the Addendum will be considered incomplete.**

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

**Bidders Note:** Additional questions shall not be accepted at this time as the stated deadline of **March 18, 2011** has lapsed. This deadline has been established to maintain fair treatment of all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve.

### **Attachments:**

- SchenkelShultz Architecture memorandum dated March 24, 2011 responding to contractors questions received via email through March 18, 2011. The Engineer's Estimate is also made a part of this attachment. (52 Total pages attached).
- **Revised Plan Sheet A113 (pdf) attachment is made a part of this Addendum No. 1**

Financial Management Department – Purchasing Division  
1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205  
Phone: 941-749-3055 – Fax: 941-743-3034  
[www.mymanatee.org](http://www.mymanatee.org)

LARRY BUSTLE \* MICHAEL GALLEN \* JOHN R. CHAPPIE \* ROBIN DISABATINO \* DONNA G. HAYES \* CAROL WHITMORE \* JOE McCLASH  
*District 1                      District 2                      District 3                      District 4                      District 5                      District 6                      District 7*

March 24, 2011  
IFB #11-0576-OV Manatee County Utilities Maintenance  
and Administration Building  
Bradenton, FL (Project No. 60697)  
Page 2 / Addendum No. 1

**Bidders Note:**

- Revised Bid Forms – Pages 00300-1 through 00300-3 (Bid A and Bid B)

Bids shall be submitted on the attached revised Bid Forms noted as Addendum No.1. Bidders must fully complete all pages of the Bid Forms for both Bid A and Bid B. Bid Forms must be executed by an authorized signatory who has the legal authority to make the offer and bind the company. Bidders must fully comply with all specifications, terms and conditions. (3 Total pages attached).

**Question :** Which labor rate shall be used for the electricians? There are 2 categories with no clear distinction.

**Answer:** Reference the Wage Determination General Decision Number: FL100123 dated 10/08/2010 FL 123 which was made a part of the original Invitation for Bid:

State:	Florida
Construction Type:	Building
County:	Manatee County in Florida

The Electrician Rate of \$22.07 / Fringes: 34%+\$0.22 shall be utilized.

If you have submitted a bid prior to receiving this addendum, you may request in writing that your original, sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

**END OF ADDENDUM #1**

Bids will be received at the **Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 until 2:00 P.M. on April 1, 2011.**

Sincerely,

  
R. C. "Rob" Cuthbert, C.P.M. CPPO  
Purchasing Division Manager

07/ Attachments (55 Total Pages)

**PROJECT NAME: UTILITIES MAINTENANCE & ADMINISTRATION BUILDING**

**Manatee County**

**ADDENDUM NUMBER 1**

Date of Issue: March 24, 2011

Bidders are hereby notified that this Addendum shall be acknowledged on the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgement of the Addendum will be considered incomplete. The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

**Attachments:**

- Revised Specifications section 00 80 00 MEASURE, PAYMENT AND COMPLETION
- Revised Specifications section 10 11 00 VISUAL DISPLAY BOARDS
- Revised Specifications section 13 34 19 PRE-ENGINEERED METAL BUILDING
- Revised sheet A113
- Cost Estimate

**Request for Substitutions:**

- Architectural Metal Systems – NOT ACCEPTED
- Daybar Industries – NOT ACCEPTED
- Dean Steel Buildings – NOT ACCEPTED
- Formica Solid Surface – ACCEPTED with stipulation, see attached form
- Overhead Door Corp – ACCEPTED

**Clarifications:**

Clarification 1: Exterior metal wall panels color/pattern is as follows and based on American Buildings Systems products:

Color/pattern #1: 22ga wall panel, architectural III profile by American Buildings, galvalume plus color, vertical application, fastener placement at ridge to match the color of the panel.

Color/pattern #2: striated profile, galvalume plus color, horizontal application. Contractor shall include necessary support for horizontal application per manufacturer's recommendation and adherence to wind load per structural drawings.

Color/pattern #3: 22ga wall panel, architectural III profile by American Buildings, terra cotta color, vertical application, fastener placement at ridge to match the color of the panel.

Questions:

Question 1: The spec. section 13 34 19 2.1.A gives a Basis of design and list approved metal building manufacturers. The Pre-Engineered Metal Building Specification on Sheet S1 by the Structural Engineer states that all current Members of the Metal Building Manufacturers Association are approved; all others must submit product data. Are all MBMA Members pre-approved manufacturers?

Answer: Not all MBMA manufacturers are approved. Only manufacturers specified in section 13 34 19 2.1 have been approved. All other proposed manufacturers need to submit a substitution request form per our specification section 01 60 10. Please make sure to fill out ALL required information in the substitution form.

Question 2: Spec. Section 13 34 19 1.3.E.1.a calls for Maximum drift due to wind to be H/120; Sht S-1 limits drift to H/360; which is correct?

Answer: Drift limits are H/360 due to CMU siding. Please use H/360 for drift limits for this project.

Question 3: Temporary field office for "Owners Representative" describes desk, furniture, lighting, layout table, copier, fax machine, laptop etc. Being that the existing office next door is fully functional, is this required in the general bid?

Answer: Delete the following requirements from scope: 01 50 00 (1.3)(b),(d),(e),(f),(g),(h) and replace them with 1 small 30x48 area for drawings, table and chair which will be used for either County Project Manager or Architect.

Question 4: Concerning the bid documents, as discussed during the pre-bid, I understand that the County and the contractor will work as a team and unknowns or unforeseen issues will be dealt with in an amicable manner for both, will you please provide a set of specific or particular hazmats so all bidders can assume such as a benchmark for bidding purposes?

Answer: Contractor shall price Class 9 material removal. Contractor shall price 6 cy for material, equipment, time and overhead as well as material replacement. See bid form item #8.

Question 5: This detail shows a depressed slab with the shower slope made by sloping a Dry Pack mortar bed for the ceramic floor tile. Sheet A 100 shows sloped concrete slabs.

Specification 09 30 00 3.4.B.1 shows thin set method. Should the shower slab areas be depressed with dry pack mortar used to form the floor slopes?

Answer: Shower areas shall be depressed sloped slab per sheet A100 and architectural details. Restrooms and locker rooms shall be sloped slab with thin set tile. Structural drawings reference A100 for depressed and sloped slab location. See S1 for typical depressed slab structural detail.

Question 6: Hairpin bar lengths are shown on plan, but their size is not called out.

Answer: They are #6 bars wrapped around the anchor bolts, typical.

Question 7: The exterior slab at the dock area is called out as an 8" slab in section. What is its reinforcing?

Answer: Note 13 on plan apply to this slab.

Question 8: Sheet C2 Existing conditions and demo plan. Since the building has been removed that is shown on that sheet what other items have been removed underground. This sheet calls for lots of utilities to be removed, what's there and what has been removed?

Answer: All items indicated on C2 to be removed have been removed. Please note that Utilities to be relocated shall be relocated as part of this project scope and have not been relocated as part of building demolition.

Question 9: The Wall Type legend on A001 indicates that all stud wall types except S4 and S5 are to have gypsum board that extends to underside of deck. However, the sections on A107 appear to show gypsum board extending only to above ceiling for all wall types.

Answer: Please follow our wall description and wall type as indicated on A001.

Question 10: On Sheet A102, Wall Type S5 is only indicated in Office 1-206 at the exterior wall. There do not appear to be any other indications of what wall types are to be used at the exterior walls in other locations, with the exception of S2 for column wraps. Is S5 typical for all exterior walls?

Answer: Exterior wall composition shall be derived from our Building sections (A107), Wall sections (A108 and A108.1) and Exterior elevations (A106).

Question 11: Duct mounted smoke detectors are indicated in the supply air ductwork, Should they be installed in the return air ductwork.

Answer: In accordance with FBC Mechanical 606.2.1 "Smoke detectors shall be installed in supply air duct".

Question 12: Rm. 1-603, Supply Diffuser is tagged CD-?, what supply diffuser is required for this area.

Answer: This should be CD-2.

Question 13: Rm. 1-601 indicates future Bard units, are they located properly and what height above finish floor is required.

Answer: Units are located correctly. Please see 2/A106 for dimensioned location.

Question 14: Enlarged mechanical room plan (detail M101) has an incomplete condensate instruction missing part of the text, please complete.

Answer: The note reads "Pipe condensate drain full size from AHU to floor drain (typical)"

Question 15: Duct passing through fire rated walls indicate SD (smoke dampers) should these be FD (fire dampers).

Answer: The only fire rated wall is between the warehouse (1-601) and the rest of the building. Please consult our A013 and our wall legend.

Question 16: Mechanical plan sheet M001, "Controls Schedule" calls out Honeywell T7300 thermostats. Honeywell has two (2) models that start with T7300, does the engineer want the communicating model or the non-communicating model.

Answer: Communicating model please.

Question 17: Is the public entity crimes form to be included with the bid?

Answer: Absolutely - All of the forms which are attached to the Bid are required to be completed:

Ref: Table of Contents:

Bid Form Section 00300

Contractor's Questionnaire Section 00430

Certification Forms Section 00491

Question 18: What is the length of the aluminum support tube indicated in drawing A111 canopy section 10?

Answer: Tube is to be engineered by the canopy manufacturer to provide support needed for the system. Tube shall attach to the cmu per our drawings and to canopy per our dimensioned drawing.

Question 19: What is the color of the aluminum canopies?

Answer: Clear anodized for all aluminum canopies, aluminum support and connections. All downspouts shall be clear anodized aluminum also.

Question 20: All pairs of Aluminum Storefront and Wood doors are shown on the Door Schedule to be 7'10" in height, however the frame elevations show a 7'0" height. Please Clarify.

Answer: Aluminum storefront doors shall be 7'-0" per door frame information.

Question 21: Door 1-202 shows a frame type 11 on the schedule, however no frame 11 exists. It appears to be type 4. Please Clarify.

Answer: Door 1-202 shall be frame type 4.

Question 22: There appears to be a window in office 1-509, however there is no marking designating it as such. Is this a w-1?

Answer: Yes, office 1-509 shall have W-1 window.

Question 23: Is there an established percentage level of W/MBE participation per Paragraph A.28 of Section 00010? If so, what percent of the contract amount is required?

Answer: There is no established percentage level of W/MBE participation for this project. Best Faith effort is requested.

Question 24: Confirm that all permit costs and/or fees, including the local building department, fire marshal, DOT, DEP, SWFWMD, etc., shall be paid by others. If not, the owner should establish an allowance since these costs cannot be accurately determined prior to the bid date.

Answer: Manatee County has obtained SWFWMD exemption letter. Manatee County has paid for Building/Site permit and is in the process of obtaining those permits. Utility and other permits shall be the responsibility of the General Contractor.

Question 25: Confirm that all utility costs and/or fees, including water, sanitary sewer, storm drainage, electrical, phone/data service, shall be paid by others. If not, the owner should establish an allowance since these costs cannot be accurately determined prior to the bid date.

Answer: Manatee County shall pay for utility cost and fees associated with utility connections during the construction.

Question 26: Provide additional information and specific details as to the intent of "be green", per Paragraph A.21 of Section 00010, since the contractor is required to outline our "ability to meet the goal of environmental sustainability". What is the goal?

Answer: There is no goal requirement. Contractors are asked to reply to their "initiative" in the Contractor's Questionnaire on page 00430-4.

Question 27: Confirm that the standard AIA forms for the Bid Bond and the Payment/Performance Bonds shall be utilized. If not, provide copies of the specific bond forms to be used.

Answer: Standard AIA form for Bid Bond and the Payment/Performance Bonds may be utilized.

Question 28: Confirm which form is to be used for Trench Safety, since the specification includes different forms in both Section 00300 and Section 004320.

Answer: Please use the one in spec section 00300.

Question 29: Confirm which form is to be used for Public Entity Crimes, since the specification includes different forms in both Section 00491 and Section 007310.

Answer: Please use the one in spec section 00491.

Question 30: Confirm that the owner will not require a full-time onsite project coordinator, per Paragraph 1.15(A), Section 011100 or a full time safety person per Paragraph 1.8(A) 7, Section 015000. Also, verify that the full-time onsite project superintendent is acceptable to fulfill the role of both coordination and safety.

Answer: Full time on site project superintendent can fulfill the role of both.

Question 31: Confirm that the owner will provide all quality control material testing and inspections for the entire project.

Answer: All quality control testing and inspections shall be the responsibility of the general contractor.

Question 32: Confirm that the contractor will not be required to provide an office area or furnishings for the owner's representative as outlined per Paragraph 1.3(B) 4, Section 015000.

Answer: Temporary facilities spec section calls for multiple services and conditions for the architect and owner representative (County Project Manager). Delete the following requirements from scope: 01 50 00 (1.3)(b),(d),(e),(f),(g),(h) and replace them with 1 small 30x48 area for drawings, table and chair which will be used for either County Project Manager or Architect.

Question 33: Confirm that the contractor will not be required to provide the two 8' X 8' signs per Paragraph 1.5, Section 015000.

Answer: Contractor shall provide only one construction sign. Coordinate with owner for sign location.

Question 34: Verify the length/term of the project warranty, since Paragraph C.07, Section 00030 specifies "a minimum period of three (3) years, unless otherwise specified". It should be noted that certain sections of the technical specifications include the standard one year warranty and Paragraph 2.3(B), of Section 016000 specifically refers to a period of one year.

Answer: Please comply with Section 01 60 00 in regards to the warranty period. Warranty shall be 1 year per specification section 01 60 00.



Question 35: Confirm that Pest Control (during construction) per Section 017415 and Construction Waste Management per Section 017419 are not applicable, since this is an unusual and expensive requirement for this type of project.

Answer: Both spec sections are applicable for this project and are required to be part of this project scope. Please bid these items in bid item #1 per revised bid item #1 description.

Question 36: In order to develop an accurate per cubic yard estimate for Bid Item # 8, a more complete description of the hazardous materials that may be discovered must be provided, since the cost can vary greatly depending on the type of contamination and the quantity of the materials to be removed and replace. For example, the cost to remove, dispose of and replace one cubic yard of contaminated soil would be quite large, since all of the expenses associated with mobilization and equipment would have to be included, whereas the cost per cubic yard to remove, dispose of and replace several hundred cubic yards would be significantly less. More importantly, how should the contractor price out the additional onsite overhead costs associated with the additional time necessary to remove hazardous material?

Answer: Contractor shall price Class 9 material removal. Contractor shall price 6 cy for material, equipment, time and overhead as well as material replacement. See bid form item #8.

Question 37: Several references are made to AISC MB certification. This certification has been discontinued by AISC.

Answer: Please remove AISC MB certification requirement from the project scope.

Question 38: Verify that the following specification sections are not applicable to this project, since none are shown on the drawings:

Section 022614 – Steel Pipe and Fittings, Section 022615 – Ductile Iron Pipe and Fittings, Section 022618 – Pipeline Cleaning, Section 022620 – Polyethylene (PE) Pressure Pipe, Section 022626 – Sanitary Sewer Rehabilitation, Section 022627 – Sanitary Sewer Manhole and Wet Well Fiberglass Liners, Section 033500 – Lift Station Specification, Section 034100 – Precast Structural Concrete, Section 066900 – Weirs, Baffles and Supports, Section 071100 – Dampproofing, Section 101100 – Visual Display Boards, Section 133350 – Lift Station Rehabilitation.

If any of the sections are applicable to this project, please identify on which plan sheets these items can be located.

Answer: Specifications sections Sanitary Sewer Rehabilitation, Section 022627 – Sanitary Sewer Manhole and Wet Well Fiberglass Liners do not apply to the project. All other sections are part of this project. Please consult the drawings as parts and pieces of those sections are throughout the entire set.

Question 39: Confirm that the existing lift station valve vault and manhole as shown on Sheets C2 and C3 are to remain as is with no added or upgraded work, since none is shown or specified.

Answer: No proposed work on the existing lift station or manhole.

Question 40: Provide the location and layout for the required silt fence, since it is not shown on Sheet C1 as implied per the legend.

Answer: Inlet protection is the only form of BMP which will be used. Plans detail the inlet protection scope. See C1 for more info.

Question 41: Provide a layout of the project limits that depicts adequate areas for the contractor's trailer(s), workman parking, material storage and temporary fence installation as required per Paragraph 1.20 of Section 015000. Also, should visual screening for the temporary fence be included, since this project is being built in an operational facility.

Answer: All staging coordination will be done after the project is awarded. County staff are aware of a need to store equipment onsite. Please include visual screening for the temporary fence.

Question 42: Provide an updated Sheet C2 showing the pavement saw cut removal for the site lighting shown on Sheet ES104; the irrigation lines shown on Sheet IRR1; and the water line, fire line, and reclaim water line shown on Sheet C3.

Answer: Manatee County Specs Section 02 25 75 and Manatee County Standard Detail 403.2 outline the procedures for pavement cut and replacement, these should be followed for all pavement cut bidding. There are some areas not outlined on the plans which will require saw cutting so please make sure to review all proposed underground work.

Question 43: Clarify the under slab vapor barrier requirements, since Sheets S2 and S5 show 15 mil, whereas Section 033010 and Section 072610 specifies 10 mil.

Answer: Please use 15mil requirement.

Question 44: Provided the type and size of the window at Office 1-509 if required, since it is not shown on Sheet A101 or dimensioned on Sheet A102.

Answer: W-1. Centered in the room.

Question 45: Specify the ceiling finish for Restrooms 1-114 and 1-115, since it is not shown on Sheet A104.

Answer: Same as room 1-104.

Question 46: Confirm that the exposed ceilings per Symbol "C" on Sheet A104 are unpainted, since Section 099100 implies that the exposed ferrous metals are to be painted.

Answer: Exposed ferrous materials are to be painted per our specifications.

Question 47: Provide Detail 12 on Sheet A113, since there seems to be a printing error that does not show all of the components.

Answer: Please see revised drawing A113 for more info.

Question 48: Confirm that the overhead doors are manually operated per the drawings instead of motor operated per Section 083323. It should be noted that there are no electrical provisions for motor operated doors.

Answer: Overhead doors are manual doors.

Question 49: Provide a specification for the marker board at Room 1-602, as shown on Sheet A103, since Section 101100 is for vinyl faced tack boards only.

Answer: Please see revised specifications section attached to this addendum.

Question 50: Provide a specification along with details for the exterior metal wall panels as shown on the east and west elevations per Sheet A106 that are implied to be horizontally installed, since Section 133419 includes only vertically installed wall panels.

Answer: Please see clarification 1 for panel description. Horizontal installation details are per selected manufacturer standard details. Since our design team does not know which system will be chosen by the contractor our direction is to use standard manufacturer details for application of exterior wall panels for this project.

Question 51: Confirm that the cabinets must be manufactured by an "AWI Member" only per Section 064100, since this would eliminate a number of local qualified cabinet companies that would be better suited for this type of smaller project.

Answer: Delete the requirement that the manufacturer must be AWI Member, however, the requirement for construction shall be per strict accordance with the rules by AWI.

Question 52: Confirm that only firestopping contractors "qualified by Fire Stop Contractors International Association" per Section 078410 are acceptable, since there are only two contractors in the state of Florida, which limits local participation.

Answer: Requirement stands.

Question 53: Verify that there are no special or extended warranties or maintenance terms related to the generator as shown on Sheet E504. Also confirm that the owner will provide all diesel fuel including that needed for testing.

Answer: No special or extended warranties are required. Electrical contractor is responsible for diesel fuel for startup, full load test, check out, etc. Electrical contractor is responsible to provide the owner with a full tank of fuel upon substantial completion.

Question 54: I have located the boundaries of the mezzanine area, but I find no point of and/or means of access. Detail 12 on sheet A113 appears to be incomplete as well.

Answer: Mezzanine is not occupied space. Please see revised A113 for detail information.

Question 55: There appears to be a mezzanine above the Warehouse Supervisor (1-602) and Air Conditioned Storage (1-603) but no mezzanine floor plan. If the mezzanine is to be designed as the note on 12/A113 suggests, please provide loading requirements.

Answer: Loading requirements are on A103. 100 lbs per square foot.

Question 56: The detail 12/A113 appears to have a few CAD layers turned off, could we get a revised detail 12/A113?

Answer: See revised detail attached to this addendum.

Question 57: Several interior walls do are not marked (restrooms 104, 405, 114 & 115; mapping 207 along ramp;locker rooms 106 & 107)

Answer: 1-104 is S1, there is no room 1-405,1-114&1-115 is S1, 1-207 is S4 (5'-4" a.f.f. for highest floor elevation), and 1-106&1-107 is wall type S for untagged walls.

Question 58: Spec. Section 13 34 19 1.3.D.2.a.1 calls for 130 mph wind speed while 1.3.F calls for 150 mph. Which is correct?

Answer: Wind loads are pre structural drawings.

Question 59: The Rugged Rib Profile panel shown in spec. section 13 34 19 2.9.A is not a panel that has Florida Product Approval.

Answer: Please see modified specifications section and clarification 1 for more info.

Question 60: Are all three Color/Pattern wall panel and Fascia panels the same profile? Is color/Pattern 3 wall panel and Color/Pattern 1 & 2 Fascia Panels special colors or will all colors be picked from the Manufacturer's standard line of colors?

Answer: Please see clarification 1 for more info. Fascia panel colors are pre our specifications and profile will match the wall pattern 1.

Question 61: Section 23 23 00 – Refrigerant Piping, Part 2 – Products, 2.1, Item A – Copper Tubing, ASTM B 280, Type ACR. Section 23 81 26 – Split System Air Conditioners, 2.4 Accessories Item - E calls out soft annealed copper. Please clarify the above.

Answer: Section 23 23 00 is to be used. Soft Annealed copper is not acceptable.

Above concludes Addendum No.1,



Dražen Ahmedić, AIA  
Associate  
SSA project #0920826

**SCHENKELSHULTZ**  
ARCHITECTURE

March 22, 2011

Subject: 0920826 Utility Maintenance & Administration Building

To All Bidders:

I have composed a rough order of magnitude cost estimate for our project with the drawings we have completed to date. Please note that this is an estimate for construction cost only which would include discretionary amount. Total estimate is \$2,195,000.00.

Sincerely,



Dražen Ahmedić, AIA  
Associate

SSA project #0920826

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

SECTION 00 80 00  
MEASUREMENT, PAYMENT AND COMPLETION

## PART 1 - GENERAL

### 1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General and Supplementary Conditions and other Division-1 Specification Sections, apply to this Section.

### 1.2 SUMMARY

- A. This Section specifies The scope of this section of the Contract Documents is to further define the items included in each Bid Item in the Bid Form section of the Contract Documents. Payment will be made based on the specified items included in the description in this section for each bid item.
- B. All contract prices included in the Bid Form section will be full compensation for all shop drawings, working drawings, labor, materials, tools, equipment and incidentals necessary to complete the construction as shown on the Drawings and/or as specified in the Contract Documents to be performed under this Contract. Actual quantities of each item bid on a unit price basis will be determined upon completion of the construction in the manner set up for each item in this section of the Specifications. Payment for all items listed in the Bid Form will constitute full compensation for all work shown and/or specified to be performed under this Contract.
- C. The quantities shown are approximate and are given only as a basis of calculation upon which the award of the Contract is to be made. The Owner/Engineer does not assume any responsibility for the final quantities, nor shall the Contractor claim misunderstanding because of such estimate of quantities Final payment will be made only for satisfactorily completed quantity of each item.
- D. No payment will be made for work constructed outside the authorized limits of work.
- E. Unless otherwise specified for the particular items involved, all measurements of distance shall be taken horizontally or vertically.
- F. Where payment for items is shown to be paid for on a lump sum basis, no separate payment will be made for any item of work required to complete the lump sum items. Lump sum contracts shall be complete, tested and fully operable prior to request for final payment. Contractor may be required to provide a break-down of the lump sum totals.

### 1.3 UNIT PRICE

- A. Separate payment will be made for the items of work described herein and listed on the Bid Form. Any related work not specifically listed, but required for satisfactory completion of the work shall be considered to be included in the scope of the appropriate listed work items.

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

- B. No separate payment will be made for the following items and the cost of such work shall be included in the applicable pay items of work. Final payments shall not be requested by the Contractor or made by the Owner until as-built (record) drawings have been submitted and approved by the Engineer.

## 1.4 BID ITEM DESCRIPTIONS

- A. Bid Items are described in a greater detail below. Partial progress payments shall be submitted per our specifications.

### **Bid Item No. 1: MOBILIZATION**

MOBILIZATION/DEMobilIZATION shall be paid for at a lump sum price. The contract lump sum price paid for MOBILIZATION/DEMobilIZATION shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work in this category. MOBILIZATION shall include but not be limited to: obtaining bonds, insurance and financing, movement of equipment, materials and personnel, supervision, field office, certificates, permits, submittals, utilities, site maintenance, pest control, waste management, cleanup, dust control, maintaining or detouring of traffic, and all other work incidental to the contract per drawings and specifications. The cost for MOBILIZATION/DEMobilIZATION shall not exceed five (5) percent of the total bid.

### **Bid Item No. 2: TEMPORARY EROSION CONTROL**

TEMPORARY EROSION CONTROL shall be paid for at a lump sum price. The contract lump sum price paid for TEMPORARY EROSION CONTROL shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals to install, maintain, and remove all required TEMPORARY EROSION CONTROL, including drainage inlet protection, fiber rolls, erosion control fencing, tree protection, construction entrances, and any other temporary erosion control measures as may be required by the Project permits or permitting agencies, as shown on the plans, as specified herein, and as directed by the Architect.

### **Bid Item No. 3: SITE WORK - COMPLETE**

Payment for all work under SITE WORK - COMPLETE shall be paid for at a lump sum price. The contract price paid for SITE WORK - COMPLETE shall include all work and materials per plans and specifications. Sum shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in SITE WORK - COMPLETE. This sum shall be inclusive of entire project scope per plans and specifications for materials, installation/labor, storage, replacement of unpaved roadways, shrubbery plots, trench excavation, including necessary pavement removal and rock removal maintenance, testing and all other aspects of work associated with SITE WORK - COMPLETE. Scope shall include but not be limited to: excavation, parking lot upgrades, fences, gates, and miscellaneous concrete. Scope shall also include shop drawings, working drawings and record drawings as they pertain to site construction. See drawings and specifications for complete scope of work.

### **Bid Item No. 4: LANDSCAPE AND IRRIGATION**

Payment for all work under LANDSCAPE AND IRRIGATION shall be paid for at a lump sum price. The contract price paid for LANDSCAPE AND IRRIGATION shall include all work and materials per plans and specifications. Sum shall include full compensation for

# UTILITIES MAINTENANCE

Manatee County

Bradenton, FL

furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in LANDSCAPE AND IRRIGATION. This sum shall be inclusive of entire project scope per plans and specifications for materials, installation/labor, storage, seeding and hydromulching, maintenance, testing and all other aspects of work associated with LANDSCAPE AND IRRIGATION. Scope shall also include shop drawings, working drawings and record drawings as they pertain to landscape and irrigation construction. See drawings and specifications for complete scope of work.

## **Bid Item No. 5: BUILDING - COMPLETE**

Payment for all work under BUILDING - COMPLETE shall be paid for at a lump sum price. The contract price paid for BUILDING - COMPLETE shall include all work and materials per plans and specifications. Sum shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in BUILDING - COMPLETE. This sum shall be inclusive of entire project scope per plans and specifications for material removal, labor, clean up, and all other aspects of work associated with BUILDING - COMPLETE. Scope shall include but not be limited to: all building systems and components as described in drawings and specifications, testing, building signage, metal building, exterior envelope, roof, all interior components, painting, finishes, casework, and all other scope not covered by other bid sections. Scope shall also include shop drawings, working drawings and record drawings as they pertain to building construction. See drawings and specifications for complete scope of work.

## **Bid Item No. 6: RAIN HARVEST CISTERN**

Payment for all work under RAIN HARVEST CISTERN shall be paid for at a lump sum price. The contract price paid for RAIN HARVEST CISTERN shall include all work and materials per plans and specifications. Sum shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in RAIN HARVEST CISTERN. This sum shall be inclusive of entire scope per plans and specifications for material, labor, clean up, dewatering, foundation and all structural elements necessary for the entire system, testing, and all other aspects of work associated RAIN HARVEST CISTERN. Scope shall include but not be limited to: cistern, all associated plumbing, concrete associated with the cistern, and filtration system. Scope shall also include shop drawings, working drawings and record drawings as they pertain to rain harvest cistern construction. See drawings for complete scope of work.

## **Bid Item No. 7: DISCRETIONARY WORK**

Payment for all work under DISCRETIONARY WORK shall be made only at the Owner's discretion in order to satisfactorily complete the project in accordance with the Plans and Specifications.

## **Bid Item No. 8: HAZARDOUS MATERIAL REMOVAL**

HAZARDOUS MATERIAL REMOVAL price shall be provided to the owner and shall not be part of the total bid price. This bid item is reserved to be used if any hazardous materials are discovered at the site and need to be mitigated in order to complete the Work per drawings and specifications. Contractor shall price 6 cubic yard or hazardous material, CLASS 9, removal and replacement of that material with a healthy material as needed to complete the Work as drawn and specified. Contractor shall price all work associated with removal and replacement of such material including but not limited to: all associated labor, equipment, transportation, healthy material replacement, and any associated price change in any work affected by this bid item as it pertains to completion of Work as drawn and specified. Contractor shall not add this price to the bid amount and shall use this unit price (CY) amount only if hazardous materials are discovered at the site. No work under this bid item shall be furnished without the written approval and



## UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

agreement from the Owner. Contractor shall use this price for any (small or large) amount of work to be done under this bid item.

### 1.5 APPLICATIONS FOR PAYMENT

- A. Applications for payment shall be made at approximately 30 day intervals in accordance with the dates established in the Standard Form of Agreement Between Owner and Contractor. At least 15 days before each progress payments falls due, the Contractor shall submit to the Architect, in quintuplet, an itemized Application for Payment, supported by such data sustaining the Contractor's right to payment as the Owner, or the Architect may require. The form of Application for Payment shall be AIA Document G702 - Application and Certification for Payment, supported by AIA Document G703 - Continuation Sheet. No other forms of Application for Payment will be acceptable. Continuation Sheet G703 shall be prepared the same as in the Schedule of Values submitted by the Contractor. Contractor's payment will be made within twenty-five (25) days after the Contractor's payment application is approved by the County.
- B. Contractor shall submit with each monthly Application for Payment, 1) an affidavit that payrolls, bills for materials and equipment, and other indeptness connected with the Work for which the previous Application, was submitted and the Owner or his property might in any way be responsible, have been paid or otherwise satisfied, and 2) release or waivers of liens arising out of the Contract from each Subcontractor, materialmen, supplier, and laborer of the Contractor in the form of Partial Lien Waiver provided with the Contract Documents or such other form as may be approved by the Architect and Owner, and 3) County of Manatee Claims Form available from the city/county Clerk's office.
- C. For Schedule of Values requirements please see section 01 33 00.
- D. Unless otherwise indicated in Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site. If previously agreed upon by the Owner, payments may similarly be made for materials and equipment stored off the site at a location previously agreed upon in writing. Contractor shall comply with all conditions of off site storage agreement as indicated by the Owner prior to proceeding with arrangements for such conditions. Payment to Contractor for materials stored off site is discouraged. Where circumstances indicate that the Owner's best interest is served by off-site storage, the Contractor shall make written request to the Architect for approval to include such material costs in his next progress payment. The Contractor's request shall include the following information:
1. A list of the fabricated materials consigned to the project (which shall be clearly identified), giving the place of storage, together with copies of invoices and reasons why materials cannot be delivered to the site.
  2. Certification that items have been tagged for delivery to the project and that they will not be used for another purpose.
  3. A letter from the Bonding Company indicating agreement to the arrangements and that payment to the Contractor shall not relieve either party or their responsibility to complete the facility.
  4. Evidence of adequate insurance covering the material in storage, which shall name the Owner as additionally insured.

## UTILITIES MAINTENANCE

Manatee County

Bradenton, FL

5. Costs incurred by the Architect to inspect material in off-site storage shall be paid by the Contractor.
  6. Subsequent pay requests shall itemize the materials and their cost which were approved on previous pay requests and remain in off-site storage.
- E. The Contractor warrants the title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment and is free and clear of all liens and encumbrances. The Contractor will indemnify the Owner and the Owner's property from any liens, claims, security interests or encumbrances in favor of the Contractor, Subcontractors or their Sub-subcontractors, regardless of tier, material suppliers, or other persons or entities making a claim by reason of having provided labor, materials, equipment, services or supplies relating to the Work, and from all cost and expenses, including attorneys' and consultants' fees incurred by the Owner in evaluating or defending against such liens, claims, security interests or encumbrances. Partial payments to the Contractor for labor performed under either a unit or lump sum price Contract shall be made at the rate of 90 percent (90%) of the Contract Sum.
- F. When the payment is made on account of materials or equipment not yet incorporated into the Project, such materials and equipment will become the property of the Owner; provided that if such materials or equipment are stolen, destroyed, or damaged before being fully incorporated into the Project, the Contractor will be required to replace them at its own expense, if not covered by builder's risk policy.
- G. A retainage of 2.5% of the total contract amount shall be withheld from payments after 75% completion of the Work. Upon substantial completion, this retainage shall be reduced to 1% of the total contract amount plus such amount as the Owner may reasonably deem necessary to repair, replace, complete or correct any damaged, defective, incorrect or incomplete work. Upon final acceptance, the remaining retainage shall be included in the final payment.

### 1.6 CERTIFICATES FOR PAYMENT

- A. The Architect will, within fifteen 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 amounts as the Architect deems is properly due, or notify the Contractor and the Owner of the Architect's reason for withholding certification in whole or in part as provided in paragraph .1, section 3 of ARTICLE 6.
- B. The insurance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data in the Application for Payment that to the best of the Architect's knowledge, information, and belief, the Work has progressed to the point indicated on the Application for Payment. The issuance of a Certificate for Payment will not be a representation that the Architect has (a) made exhaustive or continuous on site inspections to check the quality or quantity of the Work, (b) reviewed construction means, methods, techniques, sequences or procedures, (c) reviewed copies of requisitions received from Subcontractors and material suppliers and other data requested by the Owner to substantiate the Contractor's right to payment, or (d) made examination to ascertain how or for what purpose the Contractor has used the money previously paid on account of the

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

Contract Sum.

## 1.7 DECISIONS TO WITHHOLD CERTIFICATION

- A. The Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in Architect's opinion the representation to the Owner required by the above section can not be made. If an Architect is unable to certify payment in the amount of the Application, the Architect will notify the Contractor and Owner as indicated above. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount for which the Architect is able to make such representations to the Owner. The Architect may also withhold a Certificate for Payment or may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in specifications and because of:
1. The Contractor is in default of the performance of any of its obligations under the Contract Documents, including, but not limited to: failure to provide sufficient skilled workers; work, including equipment or materials, which is defective or otherwise does not conform to the Contract Documents; failure to conform to the Project Time Schedule; or failure to follow the directions of or instructions from the Architect or Owner.
  2. The Contractor is in default of the performance of any of its obligations under another Contract, which it has with the Owner.
  3. The filing of the third party claims or reasonable evidence that third party claims have been or will be filed.
  4. The Work has not proceeded to the extent set forth in the Application for Payment.
  5. Representations made by the Contractor are untrue.
  6. The failure of the Contractor to make payments to its Subcontractors, materialmen, or laborers.
  7. Damage to the Owner's property or the property of another Contractor or person.
  8. The determination by the Architect that there is a substantial possibility that the Work cannot be completed for the unpaid balance of the Contract Sum.
  9. Liens filed or reasonable evidence indicating the probable filing of such liens with respect to the Project.
- B. When the above reasons for withholding certifications are removed, certification will be made for the amounts previously withheld. If the Owner makes payments by joint check, the Owner shall notify the Architect in order to reflect such payments on the next Certification for Payment.

## **UTILITIES MAINTENANCE**

*Manatee County  
Bradenton, FL*

- C. Contractor's application for a payment shall reflect an equal percentage amount (within 2-3 percent) for labor and materials for Work completed. The Architect may adjust applications where labor exceeds materials or where materials exceed labor quantities in the Work completed columns.
- D. If the Contractor disputes a determination by the Architect with regard to Certificate of Payment, and during any related dispute resolution, litigation, or other proceeding, the Contractor nevertheless shall continue to execute the Work as described in the Contract Documents.

### **1.8 PROGRESS PAYMENTS**

- A. After issuance of Certificate for Payment, Owner shall make payment in the manner and within the time provided in the Contract Documents, and shall notify the Architect.
- B. The Contractor shall pay each Subcontractor no later than seven days after receipt of payment from the Owner the amount to which the Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of the Subcontractor's portion of the Work. The Contractor shall require each Subcontractor to make payments to Sub-subcontractors in a similar manner.
- C. The Owner has the right to request written evidence that the Contractor has paid all Subcontractors and material and equipment suppliers amounts paid by the Owner to the Contractor. If the Contractor does not provide adequate evidence within seven days, Owner shall have the right to contact the Subcontractors and obtain the information required. Neither an Owner or Architect shall have an obligation to pay or to see to the payment of money to a Subcontractor, except as may otherwise be required by law. Payments to material and equipment suppliers shall follow similar rules as stated above.
- D. A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work.

### **1.9 FAILURE OF PAYMENT**

- A. If the Architect does not issue a Certificate for Payment, through no fault of the Contractor, within fourteen days after receipt, or if the Owner does not pay the contractor within fourteen days after the date established in the Contract the amount certified by the Architect the Contractor may upon fourteen additional days of written notice to the Owner and Architect stop the Work until payment of the owed amount is received. The Contract time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable cost of shut down, delay, start up, plus interest as provided for in the Contract.

### **1.10 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 and when all required occupancy permits, if any, have been issued so that the Owner can occupy or utilize the Work for its intended use.

## UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

- B. When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work. The time fixed by the Architect for the completion of all items on the list accompanying the Certificate of Substantial Completion shall not be greater than 30 days. The Contractor shall complete items on the list within such 30 day period. If the Contractor fails to do so, the Owner in its discretion may perform the Work by itself or others and the cost thereof shall be charged against the Contractor. If more than one inspection by the Architect for the purpose of evaluating corrected work is required by the subject list of items to be completed or corrected, it will be performed at the Contractor's expense.
- C. Upon the receipt of the Contractor's list, the Architect will make an inspection and designate the Work qualified to be substantially complete. If any Work on the list or any additional Work required for utilization of the Work by the Owner is incomplete or not correct, the Contractor shall complete such Work before issuance of the Certificate of Substantial Completion. In such case the Contractor shall submit a request for another inspection by the Architect upon completion of the Work required for Substantial Completion.
- D. At the time the Architect commences the Substantial Completion Inspection, if the Architect discovers excessive additional items requiring completion or correction, the Architect may decline to continue the inspection, instructing the Contractor as to the general classification of deficiencies which must be corrected before the Architect will resume the Substantial Completion Inspection. If the Contractor fails to pursue the Work so as to make it ready for Substantial Completion Inspection in a timely fashion, the Architect shall, after notifying the Contractor, conduct inspections and develop a list of items to be completed or corrected. This list of items shall be furnished to the Contractor who shall proceed to correct such items within 7 days. The Architect will conduct additional inspections. The Architect will involve the Owner for 1) The cost of inspections between the termination of the initial Substantial Completion Inspection and the commencement of the satisfactory Substantial Completion Inspection, 2) The cost of inspection or review after the 7 day period established for the completion of the list by the Contractor. The Contractor shall reimburse the Owner for such cost, and the Owner may offset the amounts payable to the Architect for such services from the amounts due the Contractor under the Contract Documents.
- E. When the Work is designated portion thereof is substantially complete, the Architect shall prepare a Certificate of Substantial Completion that shall establish the date of Substantial completion, shall establish responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance, and shall fix the determine the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.
- F. The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in such Certificate. Upon acceptance, the Owner shall make payment of retainage applying to such Work or designated portion thereof.

## UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

- G. The Contractor shall fully complete all Work under its Contract within thirty (30) days of receiving a Certificate of Substantial Completion with attached list of items required to be completed or corrected. Failure to do so may serve as cause for the Owner to declare the Contractor in default and terminate the Contractor pursuant to ARTICLE 10 of these Supplementary General Conditions.

### 1.11 PARTIAL OCCUPANCY OR USE

- A. Owner shall have an option for partial occupancy or use upon a written agreement between the Contractor and Owner to determine the responsibilities of each party. Partial occupancy does not constitute acceptance of Work not complying with the requirements of the Contract Documents.
- B. Immediately prior to such partial occupancy or use, Owner, Architect, and Contractor shall inspect the area to be occupied to record the conditions of the Work.
- C. Agreements as to the acceptance of the Work not complying with the requirements of the Contract Documents shall be in writing.

### 1.12 FINAL COMPLETION AND FINAL PAYMENT

- A. Upon receipt of Contractor's written notice that the Work is ready for final inspection and upon receipt of the final Application for Payment the Architect shall timely make such inspection determine if the Work is acceptable per Contract Documents. If the Work is acceptable, the Architect shall issue a final Certificate for Payment stating that to the Architect's best knowledge and presented information the work has been completed in accordance to the Contract Documents.
- B. Final payment and all remaining retainage shall become due only when the following items are submitted to the Architect:
  - 1. An Affidavit that all payrolls, bills for all items connected with the Work, and any other indebtedness have been paid (less amount owed by the final Payment and retainage withheld by the Owner).
  - 2. Evidence in writing or a certificate that the required insurance by the Contract Documents will not be canceled or that the insurance will not expire until at least thirty (30) days written notice has been given to the Owner.
  - 3. Written notice that the Contractor knows of no potential reasons that the insurance will not be renewable to fulfill the Contract Document requirements.
  - 4. Consent of surety to final payment.
  - 5. Any other documents, releases and waivers of liens, claims, receipts, copies of the expenditure, or any other items required by the Owner to assure no legal problems shall follow the Completion of the Contract. If a subcontractor refuses to furnish such a release or waiver required by the Owner, the Contractor may

## UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

furnish a bond satisfactory to the Owner to indemnify the Owner against such lien. If such lien remains unresolved for the Owner after the payments have been made, the Contractor shall refund the Owner all money associated with resolution of such lien including all costs and reasonable attorney's fees.

- C. The Contractor shall furnish such evidence as may be necessary to show that any out-of-state subcontractor or supplier has fully met the requirements of payment of taxes as established in any law of the State or local subdivision thereof which may be in effect at the time of final payment. The Owner will require the submission of such proof or evidence before final payment will be approved or made. The following must be submitted to the Architect before approval of final payment:
1. Affidavit of payment as required under this Paragraph shall be in the form of AIA Document G706 - Contractor's Affidavit of Payment of Debt and Claims.
  2. Release of liens as required under this Paragraph shall be in the form of AIA Documents G706A - Contractor's Affidavit of Release of Liens, or as may otherwise be reasonably requested or required to comply with Indiana law.
  3. Consent of Surety as required under this Paragraph shall be in the form of AIA Document G707 - Consent of Surety Company to Final Payment.
  4. Submit releases and final unconditional waivers of lien from major subcontractor and supplier.
  5. Submit certification stating that no materials containing asbestos were incorporated into the Work.
  6. Submit certification that all punch list items have been completed.
- D. If upon Substantial Completion final completion is delayed through no fault of the Contractor or by issuance of change orders adjusting/affecting the final completion date and if the Architect confirms the conditions be eligible for payment for Work completed without termination of the Contract. Final Payment, constituting the unpaid balance of the Contract Sum, shall be paid to the Contractor in full, including retainage or escrowed principal and escrowed income by the escrow agent, no less than 61 days following the date of Substantial Completion. If at that time there are remaining uncompleted items, an amount equal to 200 percent of the value of each item as determined by the Architect shall be withheld until said items are completed, and a Final Certificate of Payment issued by the Architect.
- E. Making of the final payment shall constitute a waiver of claims by the Owner except those arising from liens, claims, security interest, failure to comply with the Contract Documents or terms of special warranties.

### 1.13 REQUEST FOR PAYMENT

- A. Submit Applications for Payment to the Project Manager or as directed at the pre-construct i on meeting, in accordance with the schedule established by Conditions of the Contract and Agreement between Owner and Contractor.

## UTILITIES MAINTENANCE

*Manatee County*

*Bradenton, FL*

- B. Submit payment requests in the form provided by the Owner with itemized data typed in accordance with the Bid Form .
- C. Provide construction photographs in accordance with Contract Documents.
- D. Submit Applications for Payment to the Project Manager or as directed at the pre-construct i on meeting, in accordance with the schedule established by Conditions of the Contract and Agreement between Owner and Contractor.
- E. Submit three (3) copies of each application; all signed and certified by the Contractor. .

### 1.14 SUBSTANTIATING DATA FOR PROGRESS PAYMENTS

- A. When the Owner or the Engineer requires substantiating data, Contractor shall submit suitable information with a cover letter.
- B. Submit one copy of data and cover letter for each copy of application.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION 00 80 00



# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

SECTION 10 11 00  
VISUAL DISPLAY BOARDS

## PART 1 - GENERAL

### 1.1 SUMMARY

A. This Section includes the following types of visual display boards:

1. Porcelain enamel markerboards

### 1.2 SUBMITTALS

- A. Submit in accordance with Division 01 requirements.
- B. Product Data: Include manufacturer's data substantiating that markerboard materials comply with requirements indicated.
- C. Shop Drawings: Provide shop drawings for each type of markerboard required. Include sections of typical trim members and dimensioned elevations. Show anchors, grounds, reinforcement, accessories, layout, and installation details.
- D. Samples: Provide the following samples of each product for initial selection of colors, patterns, and textures, as required, and for verification of compliance with requirements indicated.
1. Samples for initial selection of color, pattern, and texture:
    - a. Vinyl Faced Markerboards: Manufacturer's color charts consisting of actual sections of vinyl fabric, showing the full range of colors, textures, and patterns available for each type of vinyl-fabric-faced cork markerboard indicated.
    - b. Aluminum Trim and Accessories: Samples of each finish type and color, on 6-inch-long sections of extrusions and not less than 4-inch squares of sheet or plate, showing the full range of colors available.
    - c. Tackable surfacing color chart consisting of actual samples of tackable surfacing material.
  2. Samples for verification of color, pattern, and texture selected, and compliance with requirements indicated.
    - a. Markerboards: Sample panels not less than 8-1/2 inches by 11 inches for each type of markerboard and markerboard indicated. Include a sample panel for each color, texture, and pattern required.
    - b. Aluminum Trim and Accessories: Samples of each finish type and color, on 6-inch-long sections of extrusions and not less than 4-inch squares of sheet or plate. Where finishes involve normal color and texture variations, include sets showing the full range of variations expected.

# UTILITIES MAINTENANCE

Manatee County

Bradenton, FL

- E. Sample warranties.
- F. Submit warranties as specified herein.

## 1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced Installer who is an authorized representative of the markerboard manufacturer for both installation and maintenance of the type of markerboard units required for this Project.
  - 2. Maintenance Proximity: Not more than 4 hours normal travel time from the Installer's place of business to the Project site.
- B. Fire Performance Characteristics: Provide vinyl-fabric-faced markerboards with surface burning characteristics indicated below, as determined by testing assembled materials composed of facings and backings identical to those required in this section, in accordance with ASTM E 84, latest edition, by a testing organization acceptable to authorities having jurisdiction.
  - 3. Flame Spread: 25 or less.
  - 4. Smoke Developed: 10 or less.
  - 3. Fire performance characteristics of the tackable surfacing to be Class B fuel contribution per ASTM E 84, latest edition.
- B. Design Criteria: The drawings indicate sizes, profiles, and dimensional requirements of visual display boards. Other visual display boards having equal performance characteristics with deviations from indicated dimensions and profiles may be considered provided deviations do not change the design concept or intended performance. The burden of proof of equality is on the proposer.

## 1.4 PROJECT CONDITIONS

- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication to ensure proper fitting. Show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delay.
  - 1. Allow for trimming and fitting wherever taking field measurements before fabrication might delay the Work.

# UTILITIES MAINTENANCE

Manatee County

Bradenton, FL

## 1.5 WARRANTY

B. Porcelain Enamel Markerboard Warranty: Furnish the manufacturer's written warranty, agreeing to replace porcelain enamel markerboards that do not retain their original writing and erasing qualities, become slick and shiny, or exhibit crazing, cracking, or flaking, provided the manufacturer's instructions with regard to handling, installation, protection, and maintenance have been followed.

2. Warranty Period: Lifetime of the building.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

A. Subject to compliance with requirements, provide products by one of the following Manufacturers:

1. Markerboards:

- a. Claridge Products and Equipment, Inc., Harrison, Arkansas.  
[www.claridgeproducts.com](http://www.claridgeproducts.com)
- b. American Chalkboard Co.
- c. Best Rite
- d. Lemco, Inc.
- e. Nelson/Adams (NACO)

2.2 MATERIALS – Comply with the provisions of the latest editions for the following codes, specifications, and standards, except as otherwise shown or specified:

A. Porcelain Enamel Markerboards: Provide balanced, high-pressure-laminated porcelain enamel markerboards of 3-ply construction consisting of face sheet, core material, and backing.

1. Face Sheet: Provide face sheet of 24-gage enameling grade steel especially processed for temperatures used in coating porcelain on steel. Coat the exposed face and exposed edges with a 3-coat process consisting of primer, ground coat, and color cover coat, and the concealed face with a 2-coat process consisting of primer and ground coat. Fuse cover and ground coats to steel at the manufacturer's standard firing temperatures, but not less than 1200 deg F (649 deg C) for chalkboards and no less than 1500 deg F for markerboards and multi-medium boards (remarkable boards). Color: Low Gloss White.
2. Core: Provide 1/2-inch-thick particleboard hardboard core material complying with the requirements of ANSI A208.1, Grade L-M-3.
3. Backing Sheet: Provide the manufacturer's standard 0.015-inch-thick aluminum sheet backing.

# UTILITIES MAINTENANCE

Manatee County

Bradenton, FL

4. Laminating Adhesive: Provide the manufacturer's standard moisture-resistant thermoplastic-type adhesive.
5. Deposition coat of 2.0 – 2.5 mils on front of steel.
6. Porcelain Enamel steel writing and erasing coat system totaling 3.0 - 4.0 mils over front surface for chalkboards and 3.5 - 4.5 mils for markerboards.
7. Hardness of writing surface shall be no less than 6.5 on MOH's scale.
8. Writing surface shall be uniform in color and texture.
9. Reflectance factor shall be no more than 20% or less than 15% and is guaranteed not to vary as a result of wear.
10. Lamination of all materials to be factory type only, with special formulated adhesives. Hand lamination is not acceptable.

## 2.3 ACCESSORIES

- A. Metal Trim and Accessories: Fabricate frames and trim of not less than 0.062-inch-thick aluminum alloy, size and shape as indicated, to suit type of installation. Provide straight, single-length units wherever possible; keep joints to a minimum. Miter corners to a neat, hairline closure.
  1. Where the size of boards or other conditions exist that require support in addition to the normal trim, provide structural supports or modify the trim as indicated or as selected by the Architect from the manufacturer's standard structural support accessories to suit the condition indicated.
  2. Markertray: Furnish manufacturer's standard continuous box-type aluminum markertray with slanted front and cast aluminum end closures for each markerboard..

## 2.3 FABRICATION

- A. Assembly: Provide factory-assembled markerboard units.

## 2.4 FINISHES

- A. Comply with NAAMM "Metal Finishes Manual" for recommendations relative to application and designations of finishes.
- B. All exposed aluminum shall have the following finish: Class II Clear Anodized Finish: AA-M12C22A31 (Mechanical Finish: as fabricated, non-specular; Chemical Finish: etched, medium matte; Anodic Coating: Class II Architectural, clear film thicker than 0.4 mil).
- C. Face color shall be as selected by the Architect.

# UTILITIES MAINTENANCE

Manatee County

Bradenton, FL

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Deliver factory-built markerboard units completely assembled in one piece without joints, wherever possible.
- B. Install units in locations and at mounting heights indicated and in accordance with the manufacturer's instructions. Keep perimeter lines straight, plumb, and level. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for a complete installation.
- C. Coordinate job-site assembled units with grounds, trim, and accessories. Join parts with a neat, precision fit.
- D. Provide all items and accessories as required for a complete installation in every respect.

### 3.2 GENERAL INSTALLATION PROVISIONS

- A. Inspection of Conditions: Require the Installer of each major component to inspect both the substrate and conditions under which Work is to be performed. Do not proceed until unsatisfactory conditions have been corrected in an acceptable manner.
- B. Manufacturer's Instructions: Comply with manufacturer's installation instructions and recommendations, to the extent that those instructions and recommendations are more explicit or stringent than requirements contained in Contract Documents.
- C. Inspect materials or equipment immediately upon delivery and again prior to installation. Reject damaged and defective items.
- D. Provide attachment and connection devices and methods necessary for securing Work. Secure Work true to line and level. Allow for expansion and building movement.
- E. Visual Effects: Provide uniform joint widths in exposed Work. Arrange joints in exposed Work to obtain the best visual effect. Refer questionable choices to the Architect for final decision.
- F. Recheck measurements and dimensions, before starting each installation.
- G. Install each component during weather conditions and Project status that will ensure the best possible results. Isolate each part of the completed construction from incompatible material as necessary to prevent deterioration.
- H. Coordinate temporary enclosures with required inspections and tests, to minimize the necessity of uncovering completed construction for that purpose.

## UTILITIES MAINTENANCE

*Manatee County*

*Bradenton, FL*

- I. Mounting Heights: Where mounting heights are not indicated, install individual components at standard mounting heights recognized within the industry for the particular application indicated. Refer questionable mounting height decisions to the Architect for final decision.

### 3.3 ADJUST AND CLEAN

- A. Verify that accessories required for each unit have been properly installed and that operating units function properly.
- B. Clean units in accordance with the manufacturer's instructions. Break in markerboards only as recommended by the manufacturer.

END OF SECTION 10 11 00

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

SECTION 13 34 19  
PRE-ENGINEERED METAL BUILDING

## PART 1 - GENERAL

### 1.1 SUMMARY

- A. The Work required under this Section consists of furnishing and installing the pre-engineered building, framing, wall and roof panels, roof insulation, wall insulation at wall panels, misc. angles, supports, bracing, purlins, flashing, gutters, downspouts and accessories as indicated on the Drawings and specified herein, for a complete pre-engineered building in every respect, whether individual parts are specified or not. This includes, but is not limited to, the following:
1. Structural frame system.
  2. Roof panel system.
  3. Wall panel system.
  4. Roof and wall, faced insulation systems.
  5. Gutters and downspouts.
  6. Steel frames and supports for overhead coiling doors. (This includes miscellaneous angles and supports for motor operators and equipment.)
  7. Steel frames for all roof and wall openings.

### 1.2 BUILDING DESCRIPTION

- A. Primary Structurals: Frames shall consist of welded up plate section columns and roof beams complete with necessary splice plates for bolted field assembly. All bolts for field assembly of primary structural system shall be high-strength bolts.
1. Beam and post endwall frames shall consist of endwall corner posts, rigid frames, endwall roof beams, and endwall posts as required by design criteria.
  2. Columns shall be welded tapered "H" sections.
  3. Connection of all major structural members shall be made with A 325 high-tensile bolts through prepunched or predrilled holes for exact alignment.
  4. All structurals shall be painted with manufacturer's standard primer with manufacturer's standard surface preparation per painting Article herein.
- B. Secondary Structurals: Secondary structurals shall be purlins or girts with a red primer finish applied by a coil coater. Secondaries shall be per the paint specification in the structural section.
1. Horizontal exterior panel system support shall be per manufacturer's recommendations and adequate to satisfy wind load requirements per structural drawings. See drawings for extent of horizontal panel application.

### 1.3 QUALITY ASSURANCE

- A. AISC Certification
1. Building System Manufacturer shall be American Institute of Steel Construction - Category MB certified.

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

## B. Letter of Certification

1. Certification: Submit written certification prepared and signed by a Professional Engineer, registered to practice in the State of Florida verifying that the building system design and metal roof system design (including panels, clips, and support system components) meet indicated loading requirements and codes of authorities having jurisdiction. The certification must reference specific dead loads, live loads, snow loads, wind loads/speeds, tributary area load reductions (if applicable), concentrated loads, collateral loads, seismic loads, end use categories, governing code bodies including year, and load applications.

## C. Material Testing

1. In addition to mill certifications of structural steel, the manufacturer shall provide, upon request, evidence of compliance with specification through testing independent of the manufacturer's suppliers. This quality assurance testing to include structural bolts, nuts, screw fasteners, mastics, and metal coating (primers, metallic coated products, and painted coil products).

## D. Design Loads

1. Governing Design Code
  - a. Structural design for the building structural system shall be provided by the building manufacturer in compliance with the 2007 Florida Building Code with the 2009 Supplement.
2. Wind Load
  - a. Wind Pressure Coefficients and the design pressures shall be applied per the Florida Building Code. No M.B.M.A. wind alternate allowed.
    1. Basic Wind Speed: 130 miles per hour.
    2. Exposure Factor: C
    3. Importance Factor, I: 1.00
3. Dead Load
  - a. The weight of building system construction, such as roof, framing, and covering members.
4. Collateral Load
  - a. Additional imposed loads required by the contract documents other than the weight of the metal building system. These added loads could include such items as sprinklers, mechanical, electrical and ceiling systems.
    1. Collateral Load: 10 pounds per square foot.



# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

5. Auxiliary Loads
    - a. All dynamic loads required by the contract documents such as cranes and material handling systems.
  6. Load Combinations
    - a. Load combinations used to design primary and secondary structural members shall be according to the governing code.
- E. Structural Design Practice - Deflections
1. Calculations for deflections shall be done using only the bare frame method. Reductions based on engineering judgement using the assumed composite stiffness of the building envelope shall not be allowed. Drift shall follow AISC's "Serviceability Design Considerations for Low-Rise Buildings". The use of composite stiffness for deflection calculations is permitted only when actual calculations for the stiffness are included with the design for the specific project. When maximum deflections are specified, calculations shall be included in the design data.
    - a. Maximum drift due to wind:  $H/360$ .
- F. Roof System Design - Roof panels shall be designed in accordance with AISI "Specifications for the Design of Light-Gage, Cold-Formed Steel Structural Members," or CAN/CSA-S136 "Cold-Formed Steel Structural Members latest edition."
- G. Roof system shall comply with ASTM E1592, latest edition.
- H. The wind load design shall be based upon the requirements of ASCE/SEI 7-02 with wind velocity per structural drawings.

## 1.4 WARRANTIES

- A. Provide manufacturer's written weathertightness warranty for twenty (20) years from the Date of Substantial Completion against leaks in roof panels arising out of or caused by ordinary wear and tear under normal weather and atmospheric conditions. Warranty shall be signed by both the metal roofing system manufacturer and the metal roofing system contractor. Maximum liability of warranty shall be no less than \$.50 per square foot of roof area.
- B. Provide manufacturer's standard written warranty for twenty (20) years from the Date of Substantial Completion against perforation of metal roof panels due to corrosion under normal weather and atmospheric conditions. Warranty shall be signed by metal roofing system manufacturer.

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

- C. Provide manufacturer's standard paint film written warranty for twenty (20) years from Date of Substantial Completion against cracking, peeling, chalking, and fading of the coating on painted wall panels, painted roof panels and soffit panels. Warranty shall be signed by building system or roof system manufacturer and state that the coating contains Kynar 500 resin as specified.
  - 1. Manufacturer warrants that coating shall not blister, peel crack, chip, or experience material rust through for 20 years.
- D. Manufacturer's Certification: Submit written Certification by the signed manufacturer stating that the metal roof system manufacturer will provide warranties specified herein. NOTE: Also included in this submittal will be certification of the manufacturer's compliance with AISC-MB category.

## 1.5 SUBMITTALS

- A. Submit in accordance with Division 01 requirements.
- B. AISC Certification - Submit proof of AISC - MB (Category - Metal Building) Certification with bid.
- C. Product Data: Submit manufacturer's product information, specifications, and installation instructions for building components, accessories.
- D. Erection Drawings: Submit complete erection drawings showing roof framing, transverse cross sections, covering and trim details, and accessory installation details to clearly indicate proper assembly of building components.
- E. Certification: Submit written letter of certification prepared and signed by a Professional Engineer, registered to practice in Florida verifying that the metal building system design and metal roof system design (including panels, clips, and support system components) meet indicated loading requirements and codes of authorities having jurisdiction. The certification must reference specific dead, live, snow, wind loads/speeds (including edge zone wind pressures), tributary area load reduction (if applicable), concentrated loads, collateral loads, seismic loads, end use categories, governing code bodies (including year), and load applications.
- F. Dealer Certification: Submit certification that the building system supplier or metal roof system supplier is a manufacturer's authorized and franchised dealer of the system to be furnished. Certification shall state date on which authorization was granted.
- G. Installer Certification: Submit certificate that the building or roof system installer has been regularly engaged in the installation of buildings systems of the same or equal construction to the system specified.
- H. Samples: Submit samples, two (2) each of the following for Architect's review. Samples will be used as basis for evaluating quality of finished roof and wall systems.

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

1. Twelve inch long by actual width of roofing, liner panel, and siding panels, with required finishes.
  2. Fasteners (including standing seam roof clips) for application of roofing, siding, and soffit panels.
  3. Twelve inch long min. x 12 inch wide min. of actual standing seam side lap seams for both sides of a typical panel including sealants and closures.
- I. Submit Warranties as specified herein.
  - J. Submit Welder's Certificates.

## PART 2 - PRODUCTS

### 2.1 ACCEPTABLE MANUFACTURERS

- A. Products of the following manufacturers are acceptable provided compliance with technical requirements as specified herein.
  1. Basis of Design: American Buildings Company, Eufaula, Alabama.
  2. Butler manufacturing Co., Kansas City, Missouri.
  3. Varco-Pruden, Memphis, Tennessee.
  4. SteeloX Systems, Inc., Mason, Ohio.
  5. Nucor Building Systems, Waterloo, Indiana.
  6. Ceco Buildings, Oakbrook Terrace, Illinois.

### 2.2 GENERAL

- A. The design of the structural system shall be a clear span rigid frame with straight columns and roof beams; with a mono-slope roof.
- B. Actual building length shall be structural line to structural line and shall be the same as nominal - i.e., the number of bays multiplied by the length of bays.
- C. Actual building width shall be structural line to structural line and shall be the nominal building width.
- D. The roof shall have a minimum slope of 0.25" in 12" slope to a maximum of 4:12 in 0.001" increments.
  1. See drawings for roof slope.
- E. All components and parts of the structural system shall be as indicated on the drawings and/or specifications. All components and parts shall be clearly marked and erection drawings shall be supplied for identification and assembly of the parts.
- F. Field modification of parts shall be in accordance with the best standard procedures, require the approval of the manufacturer, and shall be the responsibility of the building erector.

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

## G. Foundations

1. Foundations including anchor bolt embedment length shall be adequately designed by the Engineer of Record.
  - a. All reactions for the proper design of foundations shall be supplied by the pre-engineered building manufacturer.
2. Anchor bolt diameter shall be as specified by the pre-engineered building manufacturer's standard anchor bolt layout drawings.
  - a. Anchor bolts shall be supplied by the Contractor, not the Building Manufacturer.

## 2.3 STRUCTURAL STEEL DESIGN

- A. All structural mill sections or welded-up plate sections shall be designed in accordance with the AISC "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings", and all cold-formed steel structural members shall be designed in accordance with the AISI "Specification for the Design of Cold-Formed Steel Structural Members".
- B. The structural system will be designed in accordance with a specified building code. (Refer to Design Loads and Building Codes).
- C. Pre-engineered building manufacturer shall be responsible for all electrical and mechanical hanging loads and all other items that are supported from the pre-engineered building system. Coordinate with all other Drawings and specifications. Extra costs for this work will not be allowed.

## 2.4 PRIMARY FRAMING

### A. Rigid Frames

1. Frames shall consist of welded-up plate section columns and roof beams complete with necessary splice plates for bolted field assembly.
  - a. All base plates, cap plates, compression splice plates and stiffener plates shall be factory welded into place and have the connection holes shop fabricated.
  - b. Columns and roof beams shall be fabricated complete with holes in webs and flanges for the attachment of secondary structural members and bracing except for field work as noted on manufacturer's erection drawings.
2. All bolts for field assembly of frame members shall be high strength bolts as indicated on erection drawings.
3. Provide portal frames where indicated.

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

## B. Endwall Structurals

1. The endwall structural columns shall be cold-formed channel members designed in accordance with the AISI Specification or welded-up plate sections designed in accordance with the AISC Specification.
2. Endwall frames shall consist of endwall corner posts, endwall roof beams and endwall posts as required by design criteria, unless indicated otherwise.
  - a. All splice plates and base clips shall be shop fabricated complete with bolt connection holes. All base plates, cap plates, compression splice plates and stiffener plates shall be factory welded into place and have the connection holes shop fabricated.
  - b. Beams and posts shall be ship fabricated complete with holes for the attachment of secondary structural members except for field work as noted on manufacturer's erection drawings.
3. Intermediate frames shall be substituted for endwall roof beams when specified.
  - a. Necessary endwall posts and holes for connection to the intermediate frame used in the endwall shall be shop fabricated.
4. Provide and design expandable endwalls. Design using rigid frame with capacity for future 30 foot wide bay at each end.

## 2.5 SECONDARY STRUCTURAL MEMBERS

### A. Purlins and Girts

1. Purlins and girts shall be "Z" shaped, precision roll formed.
2. Girts shall be 8" "Z" shaped or channel sections.
3. Purlins shall be 8" or 9-1/2" deep "Z" shaped sections as required structurally.
4. Outer flange of all girts shall contain factory-punched holes for panel connections. Optional girts are also acceptable without factory punched holes for panel connections.
5. Outer flange of purlins shall contain factory-punched holes for panel connections. Optional purlins are also available without factory punched holes for panel connections on ribbed roof systems only.
6. Additional support for horizontal panel application shall be per manufacturer's recommendations and must be approved by an engineer of record.

### B. Eave Struts

1. Eave Struts shall be factory pre-punched 8" deep "C" sections.

### C. Bracing

1. Bracing shall be located as indicated on drawings, or as required by structural loading.

## UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

2. Diagonal bracing shall be rods attached to columns and roof beams in bays indicated on the drawings.
3. No end wall diagonal bracing is allowed. Provide diagonal 'X' bracing in the plane of the roof to transfer lateral loads to first interior rigid frame.
4. Flange braces, purlin braces, etc., when required, shall be cold formed and installed as indicated on drawings.

### 2.6 WELDING

- A. Welding procedure and operator qualifications and welding quality standards shall be in accordance with the American Welding Society structural welding code. Inspection other than visual inspection as defined by AWS paragraph 8.15.1, shall be identified and negotiated prior to bidding. Certification of welder qualification shall be supplied when requested.

### 2.7 STRUCTURAL PAINTING

#### A. General

1. All steel shall be prime painted as temporary protection against ordinary atmospheric conditions. Subsequent finish, painting, if required, shall be performed in the field by others.
2. Prior to painting all steel shall be cleaned of loose rust, loose mill scale, dirt and other foreign material. Unless otherwise specified, the fabricator shall not sand blast, flame clean or pickle prior to painting.
3. Factory cover all steel with one coat of red oxide primer paint formulated to equal or exceed the performance requirements of Federal Specification TT-P-636D, TT-P-664C, and SSPC Paint-25.

#### B. Primary Frames

1. Clean all steel per SSPC-SP2.
2. Apply one coat of water reducible alkyd primer by spray or dip method to a minimum coating thickness of 1.0 mil.

#### C. Secondary Structural

1. Clean all steel per SSPC-SP8.
2. Apply one coat of coil applied polyester primer to a minimum coating thickness of 0.5 mil. (Purlins and girts).

### 2.8 ROOF SYSTEM

- A. Basis of Design: Roof panels shall be roll-formed "Loc-Seam" panels as manufactured by American Buildings Company; 16" wide, with 2 major corrugations, 2" high 16" on center.
- B. Panel material shall be 24 gauge galvanized (G-90 coating), per ASTM specification A-653 (G-90), or 24 gauge Galvalume panels. Manufacturer warrants that coating shall not

# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

blister, peel, crack, chip, or experience material rust through for 20 years. Panels shall be painted with Kynar 500 coating system.

1. Roof panel color shall be #725 Gray (Energy Star rated).
- C. Panels shall be factory prepunched at panel end to match prepunched holes in the eave structural member. Panel end splices shall be factory prepunched and prenotched. Panel end splices shall be floating and allow the roof panels to expand and contract with roof panel temperature changes.
- D. All endwall trim and roof transition flashings shall allow the roof panel to move relative to the wall panels and/or the parapets as the roof expands and contracts with temperature changes.
- E. The roof panel shall not be considered to be a safe work platform until completely secured to the structural system. Therefore, walkboards or other safety equipment as required by safety standards shall be provided by the erecting contractor to provide worker safety during panel installation.
- F. Provision for thermal expansion movement of the roof panels shall be accomplished by the use of clips with a moveable tab. Stainless steel tabs shall be factory centered on the roof clip when installed to assure full movement in either direction. A force of no more than 8 pounds shall be required to initiate tab movement. Each clip shall accommodate a minimum of 1.25" in either direction.
- G. The roof shall provide for thermal expansion/contraction without detrimental effect of the roof panel when there is a +100 degree F. temperature difference between the inside structural framework of the building and the temperature of the roof panels.
- H. Roof panels shall be continuous from eave to ridge; end-lapping roof panels will not be allowed.

## 2.9 INSULATED/UNINSULATED WALL PANEL SYSTEM

- A. Basis of Design: American Buildings Company.
- B. Panels shall be one piece from base to building eave.
- C. The upper end of panels shall be fabricated with a square cut and the bottom edge shall be square cut.
- D. Panel material shall be manufacturers standard gauge, G-90 galvanized steel, per ASTM specification A653, and painted with exterior colors of Kynar 500, Butler-Cote 500 FP finish system; or 24 gauge galvalume with Kynar 500 coating.
  1. Color/Pattern #1: 22ga wall panel, architectural III profile by American Buildings Company, galvalume plus color, vertical application, fastener placement at ridge to match the color of the panel..
  2. Color/Pattern #2: striated profile by American Buildings Company, galvalume plus color, horizontal application. Contractor shall include necessary support for

## UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

horizontal application per manufacturer's recommendation and adherence to wind load per structural drawings.

3. Color/Pattern #3: 22ga wall panel, architectural III profile by American Buildings Company, terra cotta color, vertical application, fastener placement at ridge to match the color of the panel.

- E. Panels shall be sealed at the base with foam or rubber closures.

### 2.10 GUTTERS, DOWNSPOUTS, TRIM, FLASHINGS

- A. All exterior gutters, downspouts, trim, and flashings shall be the same finish as the wall panels specified above (Kynar 500). Color as selected by Architect to match fascia colors.
- B. Flashings, trim, closures, and similar items shall be as detailed on Drawings and supplied by the manufacturer of the wall panel.
- C. Gutters, downspouts, trim and flashings shall be minimum 24 gauge (G-90) galvanized steel.
- D. Pre-engineered building manufacturers shall size downspouts in accordance with State and local codes.
- E. Provide precast concrete splashblocks for downspouts where shown on Drawings. (For use with downspouts not tied into an underground storm sewer system, whether or not shown on the Drawings.) Precast concrete splashblocks shall be 3000 psi concrete, minimum 18" wide by 24" long.

### 2.11 FASCIA PANELS

- A. Color 1: Pearl Gray
- B. Color 2: Slate Gray
- C. Material shall be as recommended by the manufacturer to match the rest of the building.

### 2.11 INSULATION

- A. Roof insulation as follows:
  1. Roof insulation shall be 6 inches thick.
- B. Roof insulation shall be WMP-30 with a white polypropylene film, a blend of fiberglass and polyester yarn reinforcement and 11# Kraft paper. The facing shall be adhered to Owens-Corning Fiberglas Certified R (NAIMA 202) fiberglass insulation blanket. The assembly of blanket and facing shall have a flame spread rating of less than 25 and a U.L. label furnished upon request.



# UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

## PART 3 -EXECUTION

### 3.1 INSTALLATION

- A. Install pre-engineered building, components, accessories, gutters and downspouts, roof panels, wall panels, insulation, and all related items in strict accordance with reviewed shop drawings and manufacturers written installation instructions.

### 3.2 EXAMINATION

- A. Verify that foundation, floor slab, mechanical and electrical utilities, and placed anchors are in correct position

### 3.3 ERECTION - FRAMING

- A. Erect framing in accordance with AISC Specification.
- B. Provide for erection and wind loads. Provide temporary bracing to maintain structure plumb and in alignment until completion of erection and installation of permanent bracing.
- C. Do not field cut or alter structural members without written approval of Architect.
- D. After erection, prime welds, abrasions, and surfaces.
- E. All steel shall be clean and free of mud, dirt, and debris at completion of erection.

### 3.4 ERECTION - WALL AND ROOFING SYSTEMS

- A. Install in accordance with manufacturer's instructions.
- B. Exercise care when cutting prefinished material to ensure cuttings do not remain on finish surface.
- C. Fasten cladding system to structural supports, aligned level and plumb.
- D. Locate end laps over supports. End laps minimum 2 inches. Place side laps over bearing.
- E. Provide expansion joints where required by the manufacturer and as may be indicated.
- F. Use concealed fasteners.
- G. Install insulation and vapor retarder utilizing manufacturers recommendations for attachment.
- H. Install sealant and gaskets to prevent weather penetration.

## UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

### 3.5 ERECTION - GUTTER AND DOWNSPOUT

- A. Rigidly support and secure components. Joint lengths with formed seams sealed watertight. Flash and seal gutters to downspouts.
- B. Apply bituminous paint on surfaces in contact with cementitious materials.
- C. Slope gutters minimum 1/4 inch/ft.
- D. Connect downspouts to storm sewer system where indicated.
- E. Install splash blocks under each downspout that empties on grade.
- F. Downspouts shall extend away from building at grade and splashblocks a minimum of 24".

### 3.6 INSTALLATION - ACCESSORIES

- A. Seal wall and roof accessories watertight and weather tight with sealant in accordance with Section 07 92 00 and as recommended by the pre-engineered building manufacturer.

END OF SECTION 13 34 19

**Downtown Bradenton Transit Station**  
Bradenton, Florida

**CONTRACTOR'S REQUEST FOR SUBSTITUTION**

PROJECT: Downtown Bradenton Transit Station DATE: March 3, 2011  
SPECIFICATION SECTION: 08 11 00 ITEM(S): Steel Doors and Frames  
SPECIFIED MANUFACTURER: Cecodoor Products  
SPECIFIED MODEL NO: \_\_\_\_\_  
PROPOSED MANUFACTURER: Daybar Industries  
PROPOSED MODEL NO: AS-14 Frames / WS-14 Doors  
REASON/S FOR Manufacturer - Local Distributor Sells  
REQUEST FOR \_\_\_\_\_  
SUBSTITUTION \_\_\_\_\_

Attach complete technical data, including laboratory tests, if applicable, in duplicate.

- A. Will approval affect dimensions shown on Drawings in any way? No  Yes \_\_\_\_\_  
Explain (Attach drawings if necessary): \_\_\_\_\_
- B. Will the Contractor pay for any changes to the building design, including engineering and detailing costs caused by the approval? No  Yes \_\_\_\_\_  
Explain: \_\_\_\_\_
- C. Will approval affect the work of other trades? No  Yes \_\_\_\_\_  
Explain: \_\_\_\_\_
- D. Manufacturer's guarantees of the proposed and specified items are: Same  Different \_\_\_\_\_  
Explain: \_\_\_\_\_
- E. Does the proposed item meet all applicable Codes, Ordinances and regulations for this specific application? No \_\_\_\_\_ Yes  \_\_\_\_\_  
Explain: \_\_\_\_\_

**Downtown Bradenton Transit Station**  
Bradenton, Florida

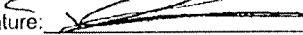
- F. Has proposed item been used locally in similar applications? No  Yes   
Explain: No local jobs have required 14ga material. Generally only used in detention grade buildings
- G. If approved, will the Owner receive a credit for the proposed alternate material? No  Yes   
Explain: If approved, bid will be placed based upon alternate price.
- H. Does the proposed alternate material meet the same applicable standards (ASTM, ANSI, UL, FS.) as the specified item? No  Yes   
Explain: \_\_\_\_\_

It is the Contractor's responsibility to provide all information necessary to determine the proposed alternate material is equal or better than the specified item. This includes any test reports, product data, manufacturer's specifications, color samples, product samples or the like as may be required for an evaluation.

The Architect and Owner will not be required to prove any product is not equal or suitable to the Project.

SUBMITTED BY: Dan Cornelius

Firm: Suncoast Commercial Door & Hardware, Inc.  
Address: 6154 Clark Center Ave  
Sarasota, FL 34238

Signature: 

Date: March 3, 2011

FOR ARCHITECT'S USE:

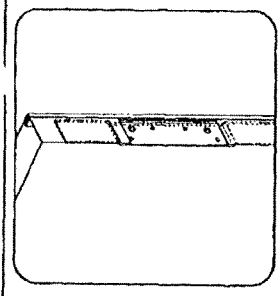
Not Acceptable

No Exceptions Taken

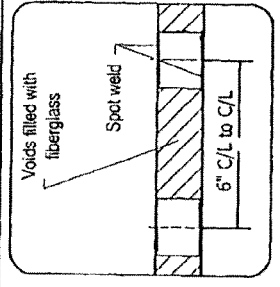
By: 

Date: 03.16.2011

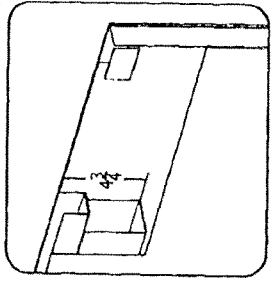
END OF SECTION 01 60 10



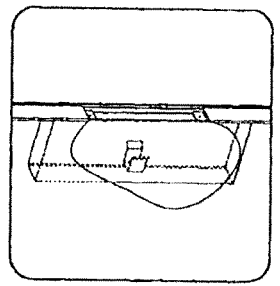
A. CLOSER REINFORCEMENT / TOP CHANNEL  
14 ga. closer reinforcement, fitted to 16 ga. inverted top channel



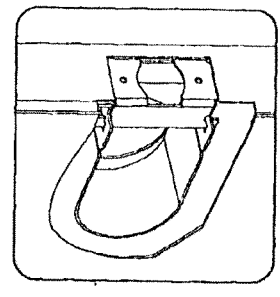
B. 20 GA. stiffeners voids filled with fiberglass



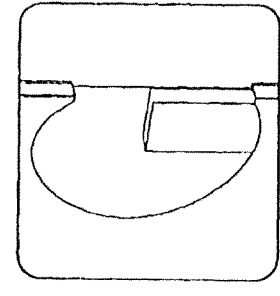
C. HINGE REINFORCEMENT  
7 GA. universal for standard or heavy weight 4.5\"/>



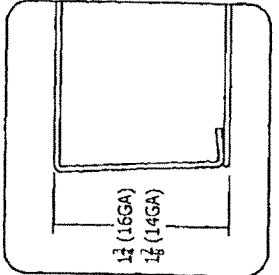
D. ANSI A115.1 #86 MORTISE LOCK REINFORCEMENT  
14 ga. reinforcement with lock guide D & T for #12-24 screw



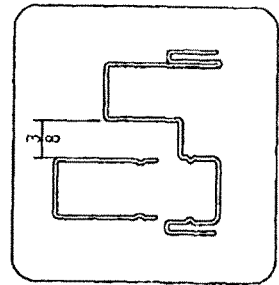
E. BEVELLED EDGES FULLY WELDED LAP SEAM DESIGN  
1/8\"/>



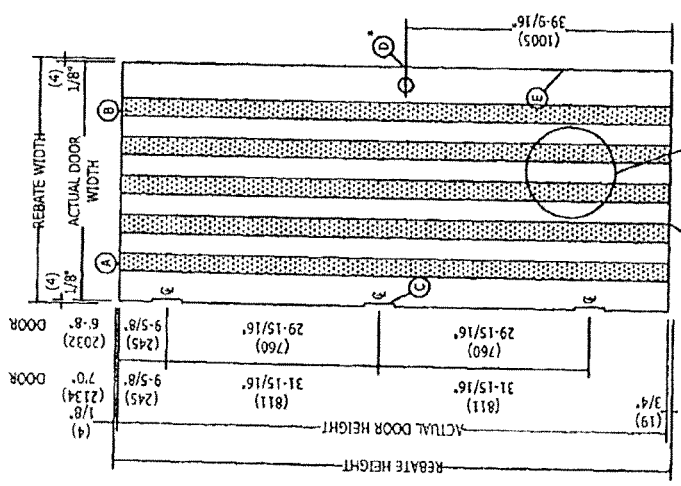
F. BOTTOM CHANNEL  
16 gauge inverted bottom channel



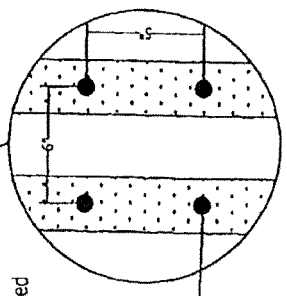
G. WHI LISTED DOOR GLAZING KIT  
(Snap in bead)



H. RIM PANIC REINFORCEMENT  
14 ga. reinforcement (includes reinforcement for surface vertical rod or surface bolts)



TECHNICAL SPECIFICATION:  
Standard Material:  
A40 Galvaneal Prime Painted  
16 Gauge  
Optional Material:  
G90 Galvanized



SPOT WELD

Drawing No. \_\_\_\_\_ Date: 05/27/2004

PROJECT: \_\_\_\_\_

WELD SEAM (WS) DOORS

Drawn by: LX

SHEET: \_\_\_\_\_ OF \_\_\_\_\_

# DAYBAR

S u b s



To: "Kyle Huggins" <kyle@ndcconstruction.com>  
Cc:  
Bcc:  
Subject: Re: Downtown Bradenton Transit Station Substitution

Olga Valcich, Construction Buyer  
Manatee County Government  
Purchasing Division  
1112 Manatee Avenue West, Suite 803  
Bradenton, FL 34205  
Ph: 941-749-3055 / Fx: 941-749-3034  
email: olga.valcich@mymanatee.org

"Kyle Huggins" Olga,

03/03/2011 03:17:31 PM

From: "Kyle Huggins" <kyle@ndcconstruction.com>  
To: <olga.valcich@mymanatee.org>  
Date: 03/03/2011 03:17 PM  
Subject: Downtown Bradenton Transit Station Substitution

---

Olga,

Attached are is a doors/frames manufacturer's request for substitution. Please let me know if there are any problems with the way they have been filled out.

Thank You,  
Kyle M. Huggins, LEED AP  
Project Engineer



NDC Construction Company  
1001 Third Avenue West, Suite 600  
Bradenton, Florida 34205  
941.747.1062 T 941.741.8027 F

Come visit us on the web at:  
[www.ndcconstruction.com](http://www.ndcconstruction.com)



Please consider the environment before printing this e-mail



Downtown Bradenton Transit - Contractors request for Substitution.pdf

### UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

#### CONTRACTOR'S REQUEST FOR SUBSTITUTION

PROJECT: MANATEE CO. UTILITIES MAINT DATE: 3-18-11

SPECIFICATION SECTION: 133419 ITEM(S): PRE-ENGINEERED METAL BUILDING

SPECIFIED MANUFACTURER: BUTLER

SPECIFIED MODEL NO: NA

PROPOSED MANUFACTURER: DEAN STEEL BUILDINGS

PROPOSED MODEL NO: NA

REASON/S FOR LOCAL MANUFACTURER

REQUEST FOR APPROVED EQUAL

SUBSTITUTION \_\_\_\_\_

Attach complete technical data, including laboratory tests, if applicable, in duplicate.

- A. Will approval affect dimensions shown on Drawings in any way? No  Yes \_\_\_\_\_  
Explain (Attach drawings if necessary): \_\_\_\_\_
- B. Will the Contractor pay for any changes to the building design, including engineering and detailing costs caused by the approval? No \_\_\_\_\_ Yes \_\_\_\_\_  
Explain: NA
- C. Will approval affect the work of other trades? No  Yes \_\_\_\_\_  
Explain: \_\_\_\_\_
- D. Manufacturer's guarantees of the proposed and specified items are: Same  Different \_\_\_\_\_  
Explain: \_\_\_\_\_
- E. Does the proposed item meet all applicable Codes, Ordinances and regulations for this specific application? No \_\_\_\_\_ Yes   
Explain: SEE ATTACHED

**UTILITIES MAINTENANCE**

Manatee County  
Bradenton, FL

- F. Has proposed item been used locally in similar applications? No \_\_\_\_\_ Yes   
Explain: FLORIDA MANUFACTURED WITH 100S OF PRE-ENGINEERED METAL BUILDINGS LOCALLY
- G. If approved, will the Owner receive a credit for the proposed alternate material? No  Yes \_\_\_\_\_  
Explain: DEAN IS AN EQUAL TO MANUFACTURER'S SPECIFIED
- H. Does the proposed alternate material meet the same applicable standards (ASTM, ANSI, UL, FS.) as the specified item? No \_\_\_\_\_ Yes   
Explain: SEE ATTACHED MIAMI DASH, NOA AND DEAN CAN PROVIDE SPECIFIED ROOF & WALL PANEL PRODUCTS.

It is the Contractor's responsibility to provide all information necessary to determine the proposed alternate material is equal or better than the specified item. This includes any test reports, product data, manufacturer's specifications, color samples, product samples or the like as may be required for an evaluation.

The Architect and Owner will not be required to prove any product is not equal or suitable to the Project.

SUBMITTED BY: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

FOR ARCHITECT'S USE:

Not Acceptable

No Exceptions Taken

By: \_\_\_\_\_

Date: 03.27.2011

END OF SECTION 01 60 10





MIAMI-DADE COUNTY  
 BUILDING CODE COMPLIANCE OFFICE (BCCO)  
 PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
 METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603  
 MIAMI, FLORIDA 33130-1563  
 (305) 375-2901 FAX (305) 375-2908

[www.miamidade.gov](http://www.miamidade.gov)

**NOTICE OF ACCEPTANCE (NOA)**

Denn Steel Buildings, Inc.  
 2929 Industrial Avenue  
 Fort Myers, Florida 33901

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION:** 0.026" (min.) Structural Steel " Rib-12" Metal Wall Panel

**APPROVAL DOCUMENT:** Drawing titled "Rib-12 Wall Panel", prepared by Nanette Dean, P.E., signed and sealed by Nanette Dean, P.E., last revision #4 dated June 5, 2001, sheet 1 of 1, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING:** Large and Small Missile Impact

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 01-0618.04 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

*Helmy A. Makar*  
 10/04/2007

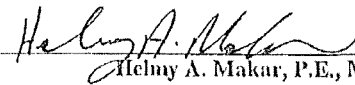
NOA No. 07-0710.10  
 Expiration Date: 10/04/2012  
 Approval Date: 10/04/2007  
 Page 1



Dean Steel Buildings, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

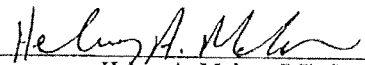
1. **EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #98-0128.05**
  - A. **DRAWINGS**
    1. *Drawing No. 2, prepared by William A. Clark, P.E., titled "Rib-12 Wall Panel", dated April 15, 1998, last revision #3 dated July 14, 1998, sheet 1 of 1, signed and sealed by William A. Clark, P.E.*
  - B. **TESTS**
    1. *None.*
  - C. **CALCULATIONS**
    1. *None.*
  - D. **MATERIAL CERTIFICATIONS**
    1. *None.*
  - E. **STATEMENTS**
    1. *Letter stating that there have been no changes to their product prepared by William A. Clark, P.E., dated December 31, 1997, signed by William A. Clark, P.E.*
  - F. **OTHER**
    1. *This approval renews NOA No. 95-0322.08 which was issued May 18, 1995.*
  
2. **EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #01-0618.04**
  - A. **DRAWINGS**
    1. *Drawing titled "Rib-12 Wall Panel", sheet 1 of 1, prepared by Nanette Dean, P.E., signed and sealed by Nanette Dean, P.E., last revision #4 dated June 5, 2001.*
  - B. **TESTS**
    1. *None.*
  - C. **CALCULATIONS**
    1. *None.*
  - D. **MATERIAL CERTIFICATIONS**
    1. *None.*
  - E. **STATEMENTS**
    1. *Letter stating that there have been no changes to their product prepared by Nanette Dean, P.E., dated June 8, 2001, signed by Nanette Dean, P.E.*

  
\_\_\_\_\_  
Helmy A. Makar, P.E., M.S.  
Product Control Examiner  
NOA No. 07-0710.10  
Expiration Date: 10/04/2012  
Approval Date: 10/04/2007

Dean Steel Buildings, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED
  - A. DRAWINGS
    1. *None.*
  - B. TESTS
    1. *Test report on Large Missile Impact test, Cyclic Wind Pressure test and Uniform Static Air Pressure test on " RIB -12, 24 Ga. Thickness (.026")", prepared by Hurricane Test Laboratory, Inc., report No. 0445-0805-06, dated 06/05/2007, signed and sealed by Vinu J. Abraham, PE.*
  - C. CALCULATIONS
    1. *None.*
  - D. QUALITY ASSURANCE
    1. *By Miami-Dade County Building Code Compliance Office.*
  - E. MATERIAL CERTIFICATIONS
    1. *Tensile test report # HETI-07-T640, dated 02/20/2007, prepared by Hurricane Engineering & Testing, Inc., signed and sealed by Candido Font, P.E.*
  - F. OTHERS
    1. *Letter of compliance with the Florida Building Code, dated June 19, 2007, prepared by C-Buck Engineering, signed and sealed by James L. Buckner, P.E.*

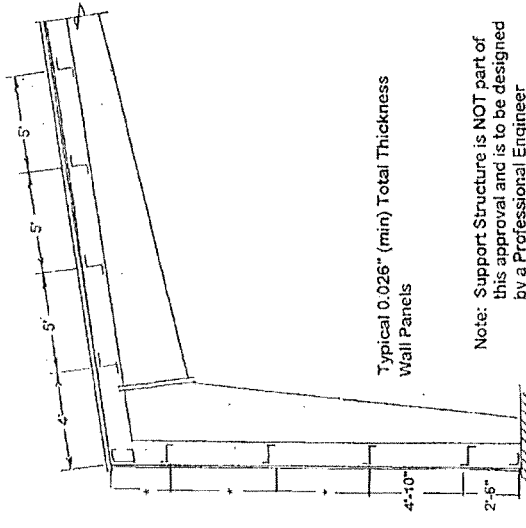


Helmy A. Makar, P.E., M.S.  
Product Control Examiner  
NOA No. 07-0710.10  
Expiration Date: 10/04/2012  
Approval Date: 10/04/2007

**Rib-12 Allowable Load Tables**

C-C	60,000 psi					
	SIMPLE SPAN					
	Load Out			Load In		
24	3'	4'	5'	6'	7'	7'
24	114	63	32	19	12	12
	TWO SPAN					
24	114	64	41	29	21	29
	THREE SPAN					
24	143	80	51	35	22	23
						23

1. Allowable loads for wind have NOT been increased by 33%. Panel weight has not been deducted. Minimum bearing length of 1.5" is required.
2. Deflection loads are limited by a maximum deflection ratio of L/240.
3. A safety factor of 2.5 is used for the allowable load calculation.
4. Panels with purlin bearing legs are available in Rib-12 Galvalume™ only.
5. All steel substrates are manufactured in accordance to ASTM A446 specifications. Protective metallic coatings shall be either galvanized, G90, 1.25 oz/sf meeting ASTM A525 or Galvalume™, AZ55, 0.55 oz/sf meeting ASTM A792 specifications.
6. Organic paint coatings shall be silicone polyester equal to Ceram-A-Star™ 950 and shall meet ASTM G23, G26 and B117.
7. Rib-12 structural metal panels consist of cold formed steel sheet metal 0.026" (min) total thickness, conforming to ASTM A446 Grade E, with minimum yield point strength Fy=80,000 psi. The protective metallic coating shall comply with ASTM A525 (galvanized) class G90 or with ASTM A792 (Galvalume™) class AZ55.
8. All self-tapping fasteners shall conform to USASB18.6.4 and shall have type A or type AB threads. All self-drilling fasteners shall conform to IF1113. Where required for weather tightness, fasteners shall be assembled with neoprene sealing washers.
9. Sealer for side laps, end laps, and flashing shall be a butyl based polymer sealant in extruded tape form. The sealer shall be non-shrinking, non-drying and non-toxic, and shall have superior adhesion to metals, plastics, and painted surfaces. Service temperatures range from -30°F to +300°F. The material shall not flow at 120°F, and shall meet or exceed the requirements of government specification number MIL-C-18969 Type II, Class B and TT-C-1796A.



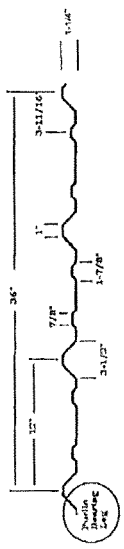
**Typical Wall Cross Section**

\* 500 Allowable Load Table

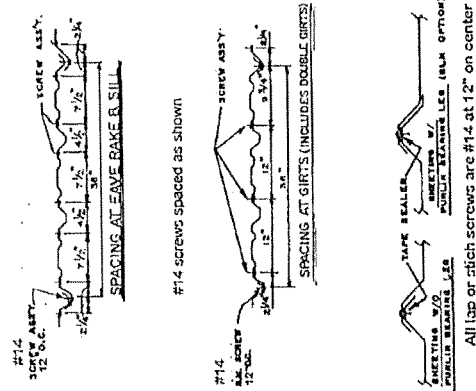
DEAN Rib-12 Panels have been tested and passed as follows:

Wall: PA202-94, PA201-94, PA203-94

**Rib-12 Panel Cross Section**



**Rib-12 Fastener Size & Location Diagram**



**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0618-04  
 EXPIRATION DATE: 08/06/2006  
 By: *Helena A. Hester*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0618-04  
 EXPIRATION DATE: 08/06/2006  
 By: *Helena A. Hester*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

**Rib-12 Wall Panel**



Nanette Dean  
 Civil Engineer  
 State of Florida  
 #45851

# Certificate of Competency

Manufacturer or Fabricator  
of Construction Materials,  
Products or Assemblies

Certification No. 10-0811.10



Miami-Dade County, Florida  
Building Code Compliance Office  
140 West Flagler Street, Suite 1603  
Miami, Florida 33130-1563  
Tel (305) 375-2901 Fax (305) 375-3528

The Building Code Compliance Office hereby certifies that *Dean Steel Buildings, Inc.* located at *2929 Industrial Avenue, Fort Myers, FL 33901* complies with the requirements of Article IV, Chapter 8 of the Code of Miami-Dade County as a manufacturer and/or fabricator of **Structural Steel and Misc. Metals.**

Certification Date: 10/1/2010  
Certification Expires: 9/30/2011

A handwritten signature in black ink, appearing to read "Americo Segura", written over a horizontal line.

Americo Segura  
BCC- Quality Assurance Supervisor  
Product Control Division

THIS CERTIFICATE DOES NOT ENTITLE HOLDER TO CONTRACT FOR ERECTION OR INSTALLATION. WHERE SEVERAL PLANTS ARE OWNED BY THE SAME COMPANY A SEPARATE CERTIFICATE OF COMPLIANCE SHALL BE REQUIRED FOR EACH PLANT. THIS CERTIFICATE SHALL BE REVOKED IF THE HOLDER FAILS TO MEET THE CODE OF POLICY REQUIREMENTS COVERING THIS PRODUCT.

Attn: Kyle

**UTILITIES MAINTENANCE**

Manatee County  
Bradenton, FL

**CONTRACTOR'S REQUEST FOR SUBSTITUTION**

PROJECT: Manatee County Utilities Maintenance <sup>Address</sup> DATE: 3/17/11

SPECIFICATION SECTION: ~~XXXX~~ A112 ITEM(S): Counter detail (8)

SPECIFIED MANUFACTURER: Corian solid surface

SPECIFIED MODEL NO: Colors - Natural Gray + Dove

PROPOSED MANUFACTURER: Formica solid surface

PROPOSED MODEL NO: Color similar to Natural Gray + Dove

REASON/S FOR Can not order Corian in small amounts

REQUEST FOR ?

SUBSTITUTION ?

Attach complete technical data, including laboratory tests, if applicable, in duplicate.

- A. Will approval affect dimensions shown on Drawings in any way?  No  Yes  
Explain (Attach drawings if necessary): \_\_\_\_\_
- B. Will the Contractor pay for any changes to the building design, including engineering and detailing costs caused by the approval?  No  Yes  
Explain: \_\_\_\_\_
- C. Will approval affect the work of other trades?  No  Yes  
Explain: \_\_\_\_\_
- D. Manufacturer's guarantees of the proposed and specified items are:  Same  Different  
Explain: \_\_\_\_\_
- E. Does the proposed item meet all applicable Codes, Ordinances and regulations for this specific application?  No  Yes  
Explain: \_\_\_\_\_

**UTILITIES MAINTENANCE**

Manatee County  
Bradenton, FL

- F. Has proposed item been used locally in similar applications? No          Yes     6      
Explain: \_\_\_\_\_
- G. If approved, will the Owner receive a credit for the proposed alternate material? No     6     Yes           
Explain: \_\_\_\_\_
- H. Does the proposed alternate material meet the same applicable standards (ASTM, ANSI, UL, FS.) as the specified item? No          Yes     6      
Explain: \_\_\_\_\_

It is the Contractor's responsibility to provide all information necessary to determine the proposed alternate material is equal or better than the specified item. This includes any test reports, product data, manufacturer's specifications, color samples, product samples or the like as may be required for an evaluation.

The Architect and Owner will not be required to prove any product is not equal or suitable to the Project.

SUBMITTED BY: Specialty Cabinets  
Firm: Kristin Springs  
Address: \_\_\_\_\_

1411-18th Ave Dr. E,  
Palmmetto, FL 34221  
Signature: Kristin Springs Date: 3/17/11

FOR ARCHITECT'S USE:

Not Acceptable           
No Exceptions Taken   X  

By: [Signature] Date: 03.21.2011

**[NOTE:]** Since colors proposed with this substitution were not listed for comparison... if colors are not 98% the same... color swatch SHALL BE used. Please note this stipulation with this approval. Architect alone shall make the comparison & determine compatibility.

END OF SECTION 01 60 10

please note the risk due to incomplete substitution request. it seems like it will be ok but we do lack of info this is not 100%. Thank you.

No. 5089 P. 2

UTILITIES MAINTENANCE

Manatee County  
Bradenton, FL

CONTRACTOR'S REQUEST FOR SUBSTITUTION

PROJECT: \_\_\_\_\_ DATE: 3-16-11

SPECIFICATION SECTION: 08 33 23 ITEM(S): OVERHEAD COILING DOORS

SPECIFIED MANUFACTURER: THE COOKSON CO. (BASIS FOR DESIGN)

SPECIFIED MODEL NO.: INSULATED COILING DOOR

PROPOSED MANUFACTURER: OVERHEAD DOOR CORP

PROPOSED MODEL NO.: G25 HEAVY DUTY INSULATED DOOR

REASONS FOR: MODEL G25 IS EQUAL TO THOSE SPECIFIED

REQUEST FOR: MFR APPROVAL

SUBSTITUTION: NOTED ABOVE

Attach complete technical data, including laboratory tests, if applicable, in duplicate.

A. Will approval affect dimensions shown on Drawings in any way? No  Yes \_\_\_\_\_  
Explain (Attach drawings if necessary): \_\_\_\_\_

B. Will the Contractor pay for any changes to the building design, including engineering and detailing costs caused by the approval? No  Yes \_\_\_\_\_  
Explain: \_\_\_\_\_

CHANGES WILL NOT BE REQ'D

C. Will approval affect the work of other trades? No  Yes \_\_\_\_\_  
Explain: \_\_\_\_\_

D. Manufacturer's guarantees of the proposed and specified items are: Same \_\_\_\_\_ Different

Explain: OUR DOORS HAVE A TWO YEAR WARRANTY WHICH EXCEEDS THE SPEC

E. Does the proposed item meet all applicable Codes, Ordinances and regulations for this specific application? No \_\_\_\_\_ Yes

Explain: PLEASE REFER TO OUR FBC PRODUCT APPROVAL LIST ENCLOSED

OVERHEADDOOR

Mar. 16. 2011 2:04PM



No. 5089 P. 3  
Mar. 16. 2011 2:04PM OVERHEADDOOR

**UTILITIES MAINTENANCE**

*Manatee County  
Bradenton, FL*

- F. Has proposed item been used locally in similar applications? No  Yes   
Explain: USE, HCC, PITZLIX SUPERMARKETS
- G. If approved, will the Owner receive a credit for the proposed alternate material? No  Yes   
Explain: \_\_\_\_\_
- H. Does the proposed alternate material meet the same applicable standards (ASTM, ANSI, UL, FS.) as the specified item? No  Yes   
Explain: \_\_\_\_\_

It is the Contractor's responsibility to provide all information necessary to determine the proposed alternate material is equal or better than the specified item. This includes any test reports, product data, manufacturer's specifications, color samples, product samples or the like as may be required for an evaluation.

The Architect and Owner will not be required to prove any product is not equal or suitable to the Project.

SUBMITTED BY: JIM CASEY  
Firm: OVERHEAD DOOR CO OF TAMPA FL  
Address: 7701 ANN BALLARD RD  
TAMPA FL 33634

Signature: [Signature] Date: 3-16-11

FOR ARCHITECT'S USE:  
Not Acceptable   
No Exceptions Taken   
By: [Signature]

Date: 03-22-2011

END OF SECTION 01 60 10

#0920325  
@SCHENKELSHULTZ

PROJECT SUBSTITUTIONS

01 60 10 - 4  
11/12/10





# Stormtite™ Insulated Heavy-Duty Rolling Service Doors

Door

2025-17-1-625

**Standard Features As a Glance**

Max. standard width	20' (6100 mm)
Max. standard height	25' (8334 mm)
Construction	24 ga. galvanized steel

- SHU profile**
- 24 ga. galvanized steel
  - Black
  - Flak insulated type
  - P-365T
- Insulation**
- Foamed-in-place
  - CFC-free polyurethane
  - 7.7" (L35 W/Msq)<sup>1</sup>
  - Gray or black
  - 24 ga. galvanized steel
  - 20 lbs.
- Construction**
- Face of wall
  - Chain hoist
  - 20 (99) cycle
  - Exterior, exterior
  - curtain-side guide
  - interior hood baffle
  - Structural steel
  - Painted steel with VIG
  - weathercoat
- Guides**
- Chain hoist
  - 1-1/2" dia. flange

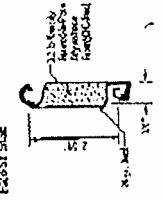
- Options:**
- Electric operator
  - Aluminum or stainless steel finish
  - Bottom sealing edge
  - Crack operation
  - Exterior finish mounting
  - High-visibility package
  - High-visibility option
  - Weathercoat for interior side guide
  - Top seal
  - Bottom sealing edge
  - Galvanized steel bottom for angle guides
  - Operator lock
  - Pass covers
  - Roller shoes
  - Polycarbonate panel finish in 197 standard colors or color-matched to specifications

1. Polyurethane insulation (CFC-free) is used in the door. The door is constructed from galvanized steel with a flange finish. It is painted black.

The Stormtite™ 525 Series is an insulated, heavy-duty rolling service door that is an ideal choice for applications requiring a moderate level of thermal protection. Designed in sizes up to 30' wide and 28' high (9144 mm and 8534 mm), these doors are constructed with a CFC-free, foamed-in-place polyurethane insulation. Vinyl weatherstripping on the bottom bar, exterior curtain-side guide and hood baffle provides additional protection against air infiltration.

**SHU Data**

Resists	7.7" (L35 W/Msq) <sup>1</sup>
Insulation	U-value: 15
Sound	Sound: 50
Speed	Speed: 21



**SHU Data**

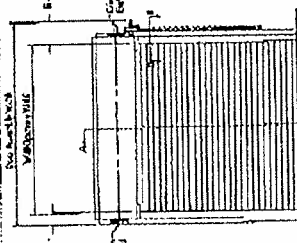
Size	Opening Width	Shut-off	Overall
18'	17' 0" (5181 mm)	17'	17' 0" (5181 mm)
20'	19' 0" (5791 mm)	19'	19' 0" (5791 mm)
22'	21' 0" (6401 mm)	21'	21' 0" (6401 mm)
24'	23' 0" (7011 mm)	23'	23' 0" (7011 mm)
26'	25' 0" (7621 mm)	25'	25' 0" (7621 mm)
28'	27' 0" (8231 mm)	27'	27' 0" (8231 mm)
30'	29' 0" (8841 mm)	29'	29' 0" (8841 mm)

**Headroom Clearance Dimensions**

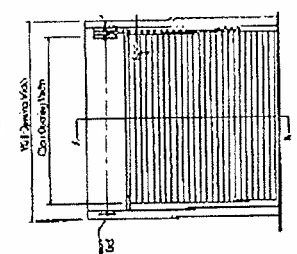
Dimension A	Dimension B	Dimension C	Dimension D	Dimension E	Dimension F	Dimension G	Dimension H
18'	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"
20'	19' 0"	19' 0"	19' 0"	19' 0"	19' 0"	19' 0"	19' 0"
22'	21' 0"	21' 0"	21' 0"	21' 0"	21' 0"	21' 0"	21' 0"
24'	23' 0"	23' 0"	23' 0"	23' 0"	23' 0"	23' 0"	23' 0"
26'	25' 0"	25' 0"	25' 0"	25' 0"	25' 0"	25' 0"	25' 0"
28'	27' 0"	27' 0"	27' 0"	27' 0"	27' 0"	27' 0"	27' 0"
30'	29' 0"	29' 0"	29' 0"	29' 0"	29' 0"	29' 0"	29' 0"

## Door Clearance Dimensions

**Face-of-Wall Mounted Operation: Chain hoist or electric**



**Between-Jambe Mounted Operation: Chain hoist or electric**

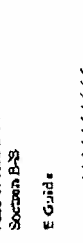


**Face-of-Wall Mounted Section B-B**

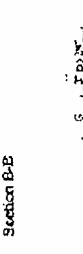
**Between-Jambe Mounted Section B-E**

## Angle Guides

### E Guide



### Z Guide



### E Guide



### Z Guide



**Dimensions: G, H and D - FAS31314**

Dimension	Max. Door Opening Width	Max. Door Height	Max. Door Weight
G	18' 0" (5491 mm)	28' 0" (8534 mm)	10,000 lbs. (4536 kg)
H	20' 0" (6100 mm)	25' 0" (7621 mm)	10,000 lbs. (4536 kg)
D	22' 0" (6710 mm)	23' 0" (7011 mm)	10,000 lbs. (4536 kg)
E	24' 0" (7320 mm)	21' 0" (6401 mm)	10,000 lbs. (4536 kg)
F	26' 0" (7930 mm)	19' 0" (5791 mm)	10,000 lbs. (4536 kg)
G	28' 0" (8540 mm)	17' 0" (5181 mm)	10,000 lbs. (4536 kg)
H	30' 0" (9150 mm)	15' 0" (4571 mm)	10,000 lbs. (4536 kg)

**Dimensions: G, H and D - FAS31314**

Dimension	Max. Door Opening Width	Max. Door Height	Max. Door Weight
G	18' 0" (5491 mm)	28' 0" (8534 mm)	10,000 lbs. (4536 kg)
H	20' 0" (6100 mm)	25' 0" (7621 mm)	10,000 lbs. (4536 kg)
D	22' 0" (6710 mm)	23' 0" (7011 mm)	10,000 lbs. (4536 kg)
E	24' 0" (7320 mm)	21' 0" (6401 mm)	10,000 lbs. (4536 kg)
F	26' 0" (7930 mm)	19' 0" (5791 mm)	10,000 lbs. (4536 kg)
G	28' 0" (8540 mm)	17' 0" (5181 mm)	10,000 lbs. (4536 kg)
H	30' 0" (9150 mm)	15' 0" (4571 mm)	10,000 lbs. (4536 kg)

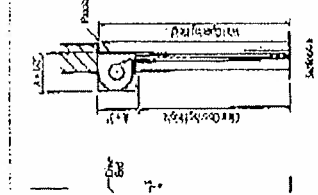
\* For max. door opening height, minimum installed clearance over 14' (4267 mm) wide.

\* For max. door opening height, minimum installed clearance over 14' (4267 mm) wide.

OVERHEAD

\_\_\_\_\_

\_\_\_\_\_



As the Blade Operates

\_\_\_\_\_

\_\_\_\_\_

//////

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

MSA

ARCHITECTURAL SPECIFICATIONS 625

PART 1 GENERAL

1.01 Work Included  
The rolling doors shall be Series 625 as manufactured by Overhead Door Corporation.

1.02 Related Work  
On-site preparation, miscellaneous or structural metal work, access doors, flush or flat paint, and electrical wiring, valves, controls, fuses and disconnect switches are in the Scope of Work of other divisions or trades.

1.03 Quality Assurance  
In accordance with applicable quality assurance guidelines for access doors, test the rolling door and electric operator (optional) shall be manufactured by a single source producer of door systems as by Overhead Door Corporation.

PART 2 PRODUCT

2.01 Curtain  
Interlocking roll-formed steel as specified following. Endlocks shall be attached to each end of alternate slats to prevent lateral movement.

File: profile type F0651 (for doors up to 30' (9144 mm) wide)  
The front slat shall be fabricated of 24-gauge galvanized steel (22-gauge galvanized steel) (20-gauge galvanized steel) (18-gauge galvanized steel) (20-gauge stainless steel) (20-gauge stainless steel) (407 or 1 mm).  
The back slat shall be 24-gauge galvanized steel.  
Slat cavity shall be filled with CPC-foam, foamed-in-place, polystyrene insulation.

2.02 Bottom Bar  
The bottom bar shall be two prime-painted steel angles, minimum thickness 1/2" (3 mm), bolted back to back to reinforce the curtain in the guides, and shall have a bottom weatherseal. (Optional bottom bars in galvanized steel, stainless steel and aluminum, as the project requires.)

2.03 Guides  
Guides shall be three (3) structural steel angles with a minimum thickness of 3/16" (3 mm). Guides shall be weatherstripped with a vinyl weatherseal at each joint on the curtain side. (Interior curtain side weather seal is an option.) Guides will be equipped with vertical lock bars as required to meet the minimum design wind speed of 20 mph.

(Curtain windloads are available as options upon request.)  
(As an option, guides are available in fabricated, aluminum and stainless steel material.)

2.04 Brackets

Brackets shall be hot-dipped steel (galvanized) (stainless steel) plates to support the counterbalances, curtain and hood.

2.05 Counterbalances

The counterbalances shall be adjustable hollow torsion springs designed for standard 20,000 cycles. (Optional cycle ratings are available, such as 64,000, or 100,000 cycles). The counterbalance is housed in a metal tube or pipe barrel supporting the curtain with a deflection limited to 1/8" (76 mm) per foot of span (FWD). The counterbalance shall be adjustable by means of an adjusting torsion wheel.

2.06 Hood

The hood shall be minimum 24-gauge galvanized steel (Aluminum or stainless steel if listed are available options). Intermediate supports shall be furnished to support the hood where required on wide openings. The hood will be supplied with an internal hood hinge weatherseal (Aluminum weatherseals are available as options).

2.07 Operation

Manual chain hoist is standard. (Avering hand crank, wall-hung remote or electric motor is optional.)

2.09 Locking

Manual chain-hoist-operated doors shall have chain keeper locks suitable for padlocking by others. (Cylinder locks are optional. Manufacturer's standard cylinder is supplied or three-keyed cylinder may be furnished by others.)

When electric motor operation is chosen, and when cylinder and/or slide lock are specified, interlock switches are recommended to be specified to prevent door curtain injury when the lock code are engaged in the guide.

2.10 Finish

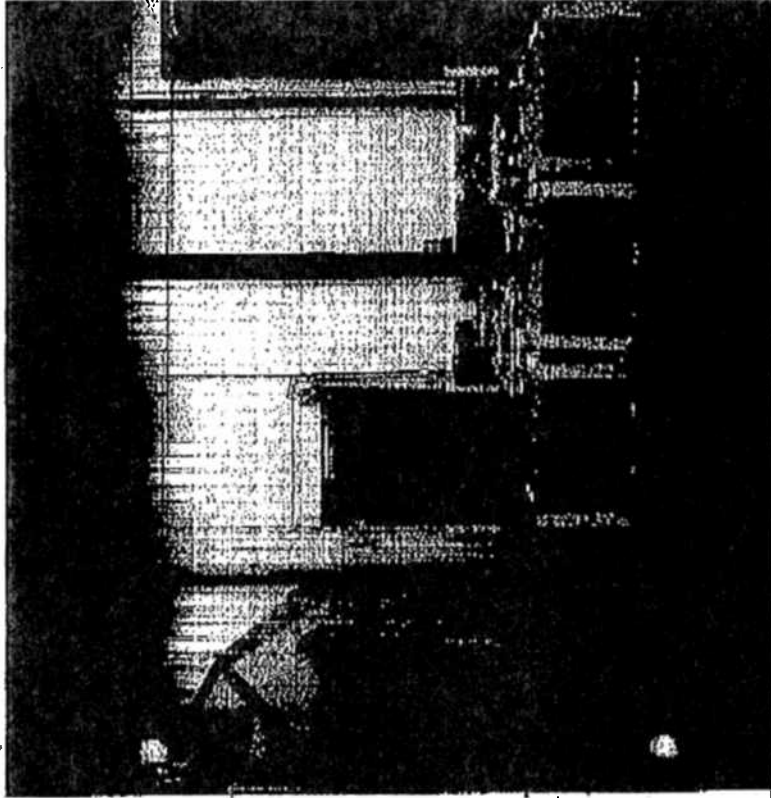
Curtain slats and hood shall be galvanized per ASTM A-653 and shall receive a rust-inhibiting, roll-coating process. It is okay to have a primer to be 2 mils thick, and a hot-dip polyester top coat to be 4 mils thick. All non-galvanized exposed, ferrous surfaces shall receive one coat of rust-inhibitive primer. (OHD ColorSpec optional, powder coat finish).

PART 3 EXECUTION

3.01 Execution

The 625 Series rolling service doors shall be installed in accordance with Overhead Door Corporation instructions and standards. Installation will be by authorized Overhead Door Corporation repair technicians.

Work is subject to inspection by approved local authorities at all times and shall be done in good climate.



**UTILITIES MAINTENANCE**

Manatee County  
Bradenton, FL

**CONTRACTOR'S REQUEST FOR SUBSTITUTION**

PROJECT: MANATEE MAINTENANCE BUILDING DATE: 3/10/2011

SPECIFICATION SECTION: 10 73 26 ITEM(S): ALUMINUM WALKWAY CANOPY

SPECIFIED MANUFACTURER: DI TITTER ARCHITECTURAL PRODUCTS

SPECIFIED MODEL NO: 2.1A

PROPOSED MANUFACTURER: ARCHITECTURAL METAL SYSTEMS

PROPOSED MODEL NO: SPAN DECK

REASONS FOR TO PROVIDE AN ADDITIONAL PRODUCT CHOICE, AND AN  
ADDITIONAL OUTLET FOR COMPETITIVE PRICING.

REQUEST FOR PRODUCT APPROVAL

SUBSTITUTION ARCHITECTURAL METAL SYSTEMS "SPAN DECK"

Attach complete technical data, including laboratory tests, if applicable, in duplicate.

- A. Will approval affect dimensions shown on Drawings in any way? No  Yes   
Explain (Attach drawings if necessary): \_\_\_\_\_
- B. Will the Contractor pay for any changes to the building design, including engineering and detailing costs caused by the approval? No  Yes   
Explain: \_\_\_\_\_
- C. Will approval affect the work of other trades? No  Yes   
Explain: \_\_\_\_\_
- D. Manufacturer's guarantees of the proposed and specified items are: Same  Different   
Explain: \_\_\_\_\_
- E. Does the proposed item meet all applicable Codes, Ordinances and regulations for this specific application? No  Yes   
Explain: \_\_\_\_\_

**UTILITIES MAINTENANCE**

Manatee County  
Bradenton, FL

- F. Has proposed item been used locally in similar applications? No \_\_\_\_\_ Yes X  
Explain: \_\_\_\_\_  
\_\_\_\_\_
- G. If approved, will the Owner receive a credit for the proposed alternate material? No \_\_\_\_\_ Yes \_\_\_\_\_  
Explain: \_\_\_\_\_  
\_\_\_\_\_
- H. Does the proposed alternate material meet the same applicable standards (ASTM, ANSI, UL, FS.) as the specified item? No \_\_\_\_\_ Yes X  
Explain: \_\_\_\_\_  
\_\_\_\_\_

It is the Contractor's responsibility to provide all information necessary to determine the proposed alternate material is equal or better than the specified item. This includes any test reports, product data, manufacturer's specifications, color samples, product samples or the like as may be required for an evaluation.

The Architect and Owner will not be required to prove any product is not equal or suitable to the Project.

SUBMITTED BY: Bob Sarrels

Firm: PAT COOK CONSTRUCTION

Address: 1904 WATERVIEW AVE WEST  
BRADENTON, FL 34205

Signature: [Signature]

Date: 3-10-11

FOR ARCHITECT'S USE:

Not Acceptable X

No Exceptions Taken   

By: [Signature]

Date: 03-16-2011

END OF SECTION 01 60 10



**BID FORM – IFB #11-0576-OV  
SECTION 00300**

**For: Manatee County Utilities Maintenance and Administration Building  
Bradenton, FL (Project No. 60697)  
Addendum No. 1 – 3/24/2011**

<b>TOTAL BID PRICE "A": \$</b> _____
Based on a Completion Time of <u>270</u> calendar days
<b>TOTAL BID PRICE "B": \$</b> _____
Based on a Completion Time of <u>180</u> calendar days

**Two schedules for Completion of the Work shall be considered. Each bid for completion by the specified stated time shall be offered as a separate "Total Bid Price". The County has the sole authority to select the bid based on the Completion Time which is the best interest of the County. Only one award shall be made.**

We, the undersigned, hereby declare that we have carefully reviewed the bid documents, and with full knowledge and understanding of the aforementioned herewith submit this bid, meeting each and every specification, term, and condition contained in the Invitation for Bids.

We understand that the bid technical specifications, terms, and conditions in their entirety shall be made a part of any agreement or contract between Manatee County and the successful bidder. Failure to comply shall result in contract default, whereupon, the defaulting contractor shall be required to pay for any and all re-procurement costs, damages, and attorney fees as incurred by the County.

**Communications concerning this Bid shall be addressed as follows:**

Person's Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Date: \_\_\_\_\_ FLContractorLicense# \_\_\_\_\_

Bidder is a WBE/MBE Vendor? \_\_\_\_\_ Certification \_\_\_\_\_

COMPANY'S NAME: \_\_\_\_\_

AUTHORIZED SIGNATURE(S): \_\_\_\_\_

Name and Title of Above Signer(s) \_\_\_\_\_

CO. MAILING ADDRESS: \_\_\_\_\_

STATE OF INCORPORATION \_\_\_\_\_ (if applicable)

TELEPHONE: ( ) \_\_\_\_\_ FAX: ( ) \_\_\_\_\_

Email address: \_\_\_\_\_

Acknowledge Addendum No. \_\_\_\_\_ Dated: \_\_\_\_\_ Acknowledge Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

**SIGN AND CONFIRM DATE OF PROJECT VISIT: \_\_\_\_\_ DATE: \_\_\_\_\_  
Addendum No. 1**

**BID FORM**  
 (Submit in Triplicate) (Addendum No. 1 / 3/24/2011)  
 Section 00300

**BID "A"**

IFB #11-0576-OV /Manatee County Utilities Maintenance & Administration Building Bradenton,  
 FL \ (Project File No. 60697)

(Bid "A" Base on a Completion Time of 270 calendar days)

ITEM NO.	DESCRIPTION	U/M	QTY.	UNIT PRICE	EXTENDED PRICE
1	Mobilization / Demobilization	LS	1	\$	\$
2	Temporary Erosion Control	LS	1	\$	\$
3	Site Work - Complete	LS	1	\$	\$
4	Landscape and Irrigation	LS	1	\$	\$
5	Building - Complete	LS	1	\$	\$
6	Rain Harvest Cistern	LS	1	\$	\$
7	DISCRETIONARY WORK	LS	1		\$75,000.00
TOTAL PRICE: Bid "A" / Utilities Maintenance & Administration Building (Based on 270 Calendar Day Completion Time)					\$

IFB #11-0576-OV /Manatee County Utilities Maintenance & Administration Building Bradenton,  
 (Bid "A" Base on a Completion Time of 270 calendar days)

8	Removal of Hazardous Material (Addendum No. 1)	CY	6	\$	\$
---	--	----	---	----	----

**Bidders: Bid No. 8: (Addendum No. 1)\*\*\*\*\*Hazardous Material Removal: Price shall be provided to the owner and shall NOT be part of the total bid. This bid item is reserved to be used if any hazardous materials are discovered at the site and need to be mitigated in order to complete the Work per drawings and specifications (Reference Measurement, Payment and Completion).**

Bidder: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Bid "A" / Addendum No. 1

**BID FORM**  
 (Submit in Triplicate) (Addendum No. 1 / 3/24/2011)  
 Section 00300

**BID "B"**

IFB #11-0576-OV /Manatee County Utilities Maintenance & Administration Building Bradenton,  
 FL \ (Project File No. 60697)

(Bid "A" Base on a Completion Time of 180 calendar days)

ITEM NO.	DESCRIPTION	U/M	QTY.	UNIT PRICE	EXTENDED PRICE
1	Mobilization / Demobilization	LS	1	\$	\$
2	Temporary Erosion Control	LS	1	\$	\$
3	Site Work - Complete	LS	1	\$	\$
4	Landscape and Irrigation	LS	1	\$	\$
5	Building - Complete	LS	1	\$	\$
6	Rain Harvest Cistern	LS	1	\$	\$
7	DISCRETIONARY WORK	LS	1		\$75,000.00
TOTAL PRICE: Bid "B" / Utilities Maintenance & Administration Building (Based on 180 Calendar Day Completion Time)					\$

IFB #11-0576-OV /Manatee County Utilities Maintenance & Administration Building Bradenton,  
 (Bid "B" Base on a Completion Time of 180 calendar days)

8	Removal of Hazardous Material (Addendum No. 1)	CY	6	\$	\$
---	--	----	---	----	----

**Bidders: Bid No. 8: (Addendum No. 1)\*\*\*\*\*Hazardous Material Removal: Price shall be provided to the owner and shall NOT be part of the total bid. This bid item is reserved to be used if any hazardous materials are discovered at the site and need to be mitigated in order to complete the Work per drawings and specifications (Reference Measurement, Payment and Completion).**

Bidder: \_\_\_\_\_

Authorized  
 Signature: \_\_\_\_\_

Bid "B" / Addendum No. 1

