Taunton Municipal Airport – New Administration Building
(Rebid for General Contract Work)
Taunton, MA

City of Taunton
1098-06

Addendum No.01
December 4, 2019

Attention all bidders: All bidders are required to acknowledge receipt of this addendum on the general bid forms contained in the contract documents. All information included in this addendum is hereby included as part of the Contract Documents and is to be included in the bidder’s scope of work and contract price at the time of bid. Failure to acknowledge this addendum may result in rejection of your bid.

General Information
Please note that the Bid Opening date has been revised to December 16, 2019.

Changes to the Specifications

<table>
<thead>
<tr>
<th>Section</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 11 13</td>
<td>Invitation to Bid, Part G, Receipt of Bids; Revise bid opening date to December 16, 2019</td>
</tr>
<tr>
<td>00 11 13</td>
<td>Invitation to Bid, Part L, Contract Award; Revise substantial completion date to February 15, 2021</td>
</tr>
<tr>
<td>07 44 50</td>
<td>Fiber Cement Siding; see attached for revisions.</td>
</tr>
<tr>
<td>11 31 00</td>
<td>Residential Appliances; Remove spec section 11 31 00. See A-691 for appliances to be Owner furnished, Owner installed (OF/IO). Coordinate size and specs of OF/IO appliances with contract work.</td>
</tr>
</tbody>
</table>

Changes to the Drawings Sheets

Civil Sanitary
CS-102 Matchline reference corrected

Civil
C-8 Clarified temporary connections
C-11 Coordinated changes made in sheet C-8; added electric line to additional light fixtures, and changed electrical lines to reflect those shown on lighting plan E-011.
Electrical

E-002  Changed the name of panelboard schedule to match changes on single line diagram
E-011  Revised notes to clarify connections for Veeder Root and Fuel Farm infrastructure per Architect direction
E-011  Changed (1) handhole to a manhole per civil coordination
E-011  Added scope for existing EPO and fire alarm devices connected to Fuel Farm per civil coordination
E-012  Updated scope per changes on E-011
E-301  Added and clarified scope for Fuel Farm Power for clarification of the infrastructure outlined in E-011.
E-701  Added scope for relocation of Veeder Root panel to Manager's Office
E-701  Updated scope per changes on E-011
E-804  Revised notes to clarify temporary and final conditions for Veeder Root and Fuel Farm infrastructure per Architect direction

Questions and Answers

Q1  I saw that Taunton Plans and Specs were uploaded to the website yesterday but I did not see an Addendum 8. Have the plans and specs changed at all? If so, will FMA be issuing an Addendum 8 outlining the changes made?
A1. All plan holders should have received a notice about rebidding. This is a rebid for GC work only. Filed sub bidders will be awarded based on results of the October bid opening. Since we're restarting the GC bid process, there's no Addendum 8.

Q2  Can you please tell me if this REBID is just for GC's or GC's and the listed sub trades in the specs?
A2. All plan holders should have received a notice about rebidding. This is a rebid for GC work only. Filed sub bidders will be awarded based on results of the October bid opening.

Q3  Can you let me know what the filed sub-bid date is for the above referenced project? I printed the specs and I only see a general bid date of 12/9/19 @ 2PM in section 00 11 13, page 5 of 7.
A3. See answer 2.

Q4  I have done a quick review and haven't noticed any flagged changes on the drawings. It appears that there are no changes to the drawings. Could you please confirm this? If there are no changes to the drawings, could you please let us know what the purpose of the re-bid is?
A4. All plan holders should have received a notice regarding the purpose of rebidding. The October GC bids exceeded the funding budget. There have been some changes made since then.

Q5  Can you please provide dimensions for the "Dedication Plaque"? The dimensions are not provided in the drawings or specs.
A5. Approximate dimensions are 30” x 30”. Final dimensions to be coordinated during submittals, when text from Airport is provided.

Q6  Per E-011, concrete encasement is called for at all exterior site lighting. Is concrete encasement required for site lighting?
A6. Yes, concrete encasement is required for site lighting.

Q7 Addendums “b” & “c” are listed under the Addenda section on the bid website, is there an addenda “a”? Will “b” and “c” need to be acknowledged when filling out the Bid Form?

A7. Refer to Addenda pdf for numbering. Addenda are numbered, beginning with #1.

Q8 Per A-408 the residential appliances are “Owner furnished & Installed” however, Division 11 is listed in the specs. Are Residential Appliances included in the contract or will they be furnish and installed by the owner?

A8. Remove spec section 11 31 00. See A-691 for appliances to be Owner furnished, Owner installed (OF/OI). Coordinate size and specs of OF/OI appliances with contract work.

Q9 It is assumed that all documents issued prior to 11/20/19 are null and void? Please advise.


Q10 Spec 00 45 22 Unit Price Schedule – Unit Rate 1 – Removal of Unsuitable Soils – This is for removal of unsuitable soils specifically not included in spec section 00 41 13 Article C. Based on this we are not sure why there is a deduct unit if the unit is not for deduct scope already owned. Please confirm that a deduct alternate is not required for this unit rate. If a unit is required for deducting scoped owned in Section 00 41 13 Article C it should be a new and separate deduct only unit rate.

A10. Refer to Part A of 00 45 22 for explanation of unit prices. Quantities may differ between bid quantity and quantity needed (determined during construction). These prices measure an adjustment in scope, and per unit. A deduct alternate eliminates scope in its entirety, and by a single specified cost. Add and Deduct unit costs are noted separately in 00 45 22.

Q11 Spec 00 45 22 Unit Price Schedule – Unit Rate 2 – Placement of Structural Fill – This is for placement of structural fill after removal of unsuitable soils specifically required in Unit Rate 1. Based on this we are not sure why there is a deduct unit if the unit is not for deduct scope already owned. Please confirm that a deduct alternate is not required for this unit rate. If a unit is required for deducting scoped owned in Section 00 41 13 Article C it should be a new and separate deduct only unit rate.

A11. See A10.

Q12 Spec 00 45 22 Unit Price Schedule – Unit Rate 3 – Installation of 8′ Water Main – Is this intended to completely add a new water main in addition to the one already owned in the project documents or deduct that one completely? If not please confirm that the unit rate should only be for adding or deducting a linear foot of pipe including excavation and backfill. And please remove the wet tap, hydrants and valves because they would not be impacted by adding or deducting linear footage of piping.

A12. This unit price provides a cost for changes in linear foot that differ from what is shown in the contract documents.

Q13 Spec 00 45 22 Unit Price Schedule – Unit Rate 4 – New Sewer Service – Is this intended to completely add a new sewer service in addition to the one already owned in the project documents or deduct that one completely? If not please confirm that the unit rate should only be for adding or deducting a linear foot of pipe including excavation and backfill. And
please remove the pumps and chambers from the unit rate because they would not be impacted by adding or deducting linear footage of piping.

A13. See A12.

Q14. Can drawings C-8 and E-011 be coordinated as there are several differences? Differences include: C-8 shows veeder root going along south side of property and E-011 shows veeder root going along north side of property. C-8 shows temp telecom services that are not shown on E-011. C-8 shows electrical manhole while E-011 shows electrical handhole. Filed-sub electrical bidder has based their bid off of the Electric Drawings and not the Civil Drawings.

A14. See attached for revisions. Work shown on non-electrical specifications or drawings shall be coordinated and anticipated with Electrical bids. See civil documents for manhole.

Q15. Due to the rebidding efforts will the original Substantial Completion Date of December 10th, 2020 be extended?

A15. Yes, refer to cover sheet and attached Invitation to Bid spec section.

End of Addendum No. 01
The City of Taunton, acting through the City of Taunton Airport Commission, invites sealed bids for the Taunton Municipal Airport New Administration Building, Westcoat Drive, East Taunton, Massachusetts in accordance with Contract Documents prepared by Fennick | McCredie Architecture, Ltd., Boston, Massachusetts.

General Project Description: The work of this Contract includes construction of a new 5,500 square foot Administration Building at Taunton Municipal Airport including one level of administration offices, shell spaces, lobby, toilet rooms, mechanical rooms, and conference room. The Work includes demolition of the existing administration building, repaving and regarding of existing parking lots, landscaping external to the building, and extensive site utility work.


This Project is subject to the Construction Reform Law, Chapter 193 of the Acts of 2004 and MGL c.23A §44 and MGL c.7. General Bidders and Filed Sub-bidders are advised that before contract award, the lowest general bidder shall be required to provide the Owner with documentation stating how it intends to meet the minority and women business enterprise goals for the project. Those goals are:

- MBE/WBE Combined 10.4% of construction contract amount.

Attention is called to the fact that not less than the prevailing wage rates as hereinafter set forth shall be paid on this Project. Attention is also called to the requirements relating to worker’s compensation and conditions of employment. The minimum wages to be paid mechanics, apprentices, teamsters, chauffeurs, and laborers on the Project shall be established by the Minimum Wage Schedule, as determined by the Commissioner of Labor and Industries, pursuant to the provisions of MGL c.149, §25 to §27D, inclusive, as amended, which schedule is included in the Contract Documents.

A. Certification for All Bidders:

Under the provisions of MGL c.149, §44D½, the Awarding Authority will not pre-qualify applicants, nor publish a list of Contractors and Filed-subcontractors eligible to bid. General Contractors andFiled-subcontractors desiring to bid on the project should apply for certification by contacting the Commonwealth of Massachusetts:

Division of Capital Asset Management
Office of Contract Administration
One Ashburton Place, Boston, MA 02108
Telephone (617) 727-9320.

B. Certification for General Contract Bidders:

General Contract Bidders: Only certified General Contractors can bid on this project. Each General Contract Bidder must submit with its bid a copy of the Certificate of Eligibility (DCAMM Form CQ7) from the Division of Capital Asset Management and Maintenance (DCAMM) and a completed Update Statement (DCAMM Form CQ3),
with its bid. Bidders failing to submit with their Bids, both the Certificate of Eligibility and Update Statement, will be rejected for failure to comply with statutory bidding requirements.

General Contract Bidder shall be certified by the Division of Capital Asset Management and Maintenance (DCAMM) for the following category of work and for a contract dollar amount which is not less than the estimated construction of this Project.

- Certification Category: “General Building Construction”.
- Estimated Construction Cost: $4,900,000

C. Certification for Filed-Sub-bidders:

Filed Sub-bid results from the September 23rd, 2019 bid opening are available on the following website: www.dubois-king.com/projects-bidding-active, under the project name Taunton Municipal Airport – New Administration Building.

D. Filed Sub-Bids will be required for the Work of the following Classes of Work (trades):

<table>
<thead>
<tr>
<th>Class of Work</th>
<th>Specification Sections and Titles</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATERPROOFING</td>
<td>DAMPPROOFING AND CAULKING as specified under Section 07 00 01 - WATERPROOFING, DAMPPROOFING</td>
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<tr>
<td></td>
<td>AND CAULKING FILED SUB-BID REQUIREMENTS, and the following:</td>
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<tr>
<td></td>
<td>Section 07 13 53 - Elastomeric Sheet Waterproofing.</td>
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<tr>
<td></td>
<td>Section 07 92 00 - Joint Sealants.</td>
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<tr>
<td>ROOFING AND FLASHING</td>
<td>as specified under Section 07 00 02 - ROOFING AND FLASHING FILED SUB-BID REQUIREMENTS, and the</td>
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<tr>
<td></td>
<td>following:</td>
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<td>Section 07 54 19 - Polyvinyl Chloride (PVC) Roofing.</td>
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<tr>
<td></td>
<td>Section 07 62 00 - Sheet Metal Flashing and Trim.</td>
</tr>
<tr>
<td>METAL WINDOWS</td>
<td>as specified under Section 08 00 05 – METAL WINDOWS FILED SUB-BID REQUIREMENTS, and the following:</td>
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<tr>
<td></td>
<td>Section 08 43 13 - Aluminum-Framed Storefronts.</td>
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<tr>
<td></td>
<td>Section 08 44 13 - Glazed Aluminum Curtain Walls.</td>
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<tr>
<td></td>
<td>Section 08 51 13 - Aluminum Windows.</td>
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<tr>
<td></td>
<td>Section 08 80 05 - Metal Windows Glass and Glazing.</td>
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<tr>
<td>TILE</td>
<td>as specified under Section 09 30 00 – TILING.</td>
</tr>
<tr>
<td>PAINTING</td>
<td>as specified under Section 09 00 09 - PAINTING FILED SUB-BID REQUIREMENTS, and the following:</td>
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<tr>
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<td>Section 09 91 00 – Paints.</td>
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<tr>
<td></td>
<td>Document 09 91 13 - Exterior Paint Schedule.</td>
</tr>
<tr>
<td></td>
<td>Document 09 91 23 - Interior Paint Schedule.</td>
</tr>
<tr>
<td>FIRE SUPPRESSION</td>
<td>as specified under Section 21 00 01 - FIRE SUPPRESSION FILED SUB-BID REQUIREMENTS, and the following:</td>
</tr>
</tbody>
</table>
Section 21 05 13 - Common Motor Requirements for Fire Suppression Equipment.
Section 21 05 17 - Sleeves and Sleeve Seals for Fire-Suppression Piping.
Section 21 05 18 - Escutcheons for Fire-Suppression Piping.
Section 21 05 48 - Vibration and Seismic Controls for Fire-Suppression Piping and Equipment.
Section 21 05 53 – Identification for Fire-Suppression Piping and Equipment.
Section 21 11 00 - Facility Fire-Suppression Water-Service Piping.
Section 21 13 13 - Wet-Pipe Sprinkler Systems.

- **PLUMBING** as specified under Section 22 00 01 – PLUMBING FILED SUB-BID REQUIREMENTS, and the following:
  Section 22 05 13 - Common Motor Requirements for Plumbing Equipment
  Section 22 05 15 - Sleeves and Sleeve Seals for Plumbing Piping
  Section 22 05 16 - Expansion Fittings and Loops for Plumbing Piping
  Section 22 05 18 - Escutcheons for Plumbing Piping
  Section 22 05 19 - Meters and Gauges for Plumbing Piping
  Section 22 05 23 - General-Duty Valves for Plumbing Piping
  Section 22 05 29 - Hangers and Supports for Plumbing Piping and Equipment
  Section 22 05 33 - Heat Tracing for Plumbing Piping
  Section 22 05 48 - Vibration and Seismic Controls for Plumbing Piping and Equipment
  Section 22 05 53 - Identification for Plumbing Piping and Equipment
  Section 22 07 16 - Plumbing Equipment Insulation
  Section 22 07 20 - Plumbing Piping Insulation
  Section 22 11 13 - Facility Water Distribution Piping
  Section 22 11 16 - Domestic Water Piping
  Section 22 11 19 - Domestic Water Piping Specialties
  Section 22 11 23 - Domestic Water Pumps
  Section 22 13 16 - Sanitary Waste and Vent Piping
  Section 22 13 20 - Sanitary Waste Piping Specialties
  Section 22 14 24 - Storm Drainage Piping Specialties
  Section 22 34 00 - Fuel-Fired, Domestic Water Heaters
  Section 22 42 13.13 - Commercial Water Closets
  Section 22 42 13.16 - Commercial Urinals
  Section 22 42 16.13 - Commercial Lavatories
  Section 22 42 16.16 - Commercial Sinks
  Section 22 47 16 - Drinking Fountains
  Section 23 11 23 - Facility Natural Gas Piping
  Section 23 11 26 - Facility Liquefied-Petroleum Gas Piping
• HEATING, VENTILATION AND AIR CONDITIONING as specified under Section 23 00 01 - HEATING, VENTILATION AND AIR CONDITIONING FILED SUB-BID REQUIREMENTS, and the following:
  Section 23 05 13 Common Motor Requirements for HVAC Equipment
  Section 23 05 17 - Sleeves and Sleeve Seals for HVAC Piping
  Section 23 05 18 - Escutcheons for HVAC Piping
  Section 23 05 29 - Hangers and Supports for HVAC Piping and Equipment
  Section 23 05 48 - Vibration and Seismic Controls for HVAC
  Section 23 05 53 - Identification for HVAC Piping and Equipment
  Section 23 05 93 - Testing, Adjusting, and Balancing for HVAC
  Section 23 07 13 - Duct Insulation
  Section 23 07 19 - HVAC Piping Insulation
  Section 23 21 13 - Hydronic Piping
  Section 23 23 00 - Refrigerant Piping
  Section 23 31 13 - Metal Ducts
  Section 23 33 00 - Air Duct Accessories
  Section 23 37 13 - Diffusers, Registers and Grilles
  Section 23 41 00 - Particulate Air Filtration
  Section 23 51 00 - Breechings, Chimneys and Stacks
  Section 23 73 14 - Energy Recovery Ventilator
  Section 23 81 26 - Split-System Air-Conditioners and Variable Refrigerant Flow Systems
  Section 23 82 16 - Electric Resistance Air Coils
  Section 23 82 33 - Convectors
  Section 23 82 39 - Cabinet Unit Heaters

• ELECTRICAL as specified under Section 26 00 01 – ELECTRICAL FILED SUB-BID REQUIREMENTS, and the following:
  Section 26 05 19 – Low Voltage Electrical Power Conductors and Cables
  Section 26 05 26 - Grounding and Bonding for Electrical Systems
  Section 26 05 29 - Hangers and Supports for Electrical Systems
  Section 26 05 33 - Raceways and Boxes for Electrical Systems
  Section 26 05 44 - Sleeves and Sleeve Seals for Electrical Raceways and Cabling
  Section 26 05 53 - Identification for Electrical Systems
  Section 26 24 16 - Panelboards
  Section 26 27 26 - Wiring Devices
  Section 26 28 16 - Enclosed Switches and Circuit Breakers
  Section 26 41 13 - Lightning Protection for Structures
  Section 26 51 00 - Interior Lighting
  Section 27 05 00 - Common Work Results for Communications Systems
Section 27 05 26 - Grounding and Bonding for Communications Systems
Section 27 05 53 - Identification for Communications Systems
Section 27 11 00 - Communications Room Fittings
Section 27 13 00 - Communications Backbone Cabling
Section 27 15 00 - Communications Horizontal Cabling
Section 28 05 13 - Conductors and Cables for Electronic Safety and Security
Section 28 31 11 - Digital, Addressable Fire-Alarm System

E. Availability of Bidding Documents:

Plans, specifications, and addendums (if issued) will be available for examination and downloading on November 20th, 2019 after 2:00 PM at the following website www.dubois-king.com/projects-bidding-active under the project name Taunton Municipal Airport – New Administration Building. Once the bidder requests plans via the above website, an email will be sent to the email address provided containing a link to the download to the bid documents and plan set. Addendums and other additional or revised Contract Documents will be available on the website ONLY and it is the Bidder’s sole responsibility to check the website for additions or revisions up to the day prior to the due date for proposals listed above. Addendums and other additional or revised Contract Documents will not be transmitted directly to the Bidders or Plan Holders.

Bidder questions will be accepted no later than 5:00 P.M. (Verizon Time) on December 2, 2019.

F. Pre-Bid Conference:

A pre-bid conference will not be held. However, each bidder is advised to visit the site of the proposed work, become fully acquainted with conditions as they exist, and thoroughly examine the Contract Documents. Failure of any bidder to visit the site, and to examine the Contract Documents shall in no way relieve the bidder from any obligation with regard to the bid as submitted.

G. Receipt of Bids:

SEALED BIDS FOR THE GENERAL CONTRACT listed above will be received by the Awarding Authority until 1:00 PM, local time®, December 16, 2019, bids will be publicly opened and read at 2:00 PM

®Official time is that of Awarding Authority at location of bid receipt; no late bids will be accepted.

PHYSICAL ADDRESS FOR RECEIPT OF BIDS:
Taunton Municipal Airport
4 Westcoat Drive
East Taunton, Massachusetts 02718
H. Bid Security:

Bid Security: All General Bid and Filed-Sub-bid proposals shall be accompanied by a bid deposit in an amount not less than five percent (5%) of the value of the bid. Bid deposits, payable to the “City of Taunton” shall be in the form of either a BID BOND, or a CERTIFIED or TREASURER’S CHECK issued by a responsible bank or trust company. Cash and company checks are not acceptable.

I. Sales Tax:

Sales Tax: Materials, equipment and supplies to be used on this project are exempt from sales tax to the extent provided by MGL c.64(H), §6(f). Bidders should not include taxes in figuring or in references to any bid.

J. Wages:

Wages: The minimum wages to be paid mechanics, apprentices, teamsters, chauffeurs, and laborers on the Project shall be established by the Minimum Wage Schedule, as determined by the Commissioner of Labor and Industries, pursuant to the provisions of MGL c.149, §25 to §27D, inclusive, as amended, which schedule is included in the Bidding Documents.

K. Performance, Labor and Materials Bonds:

A one hundred percent (100%) Performance Bond and a one hundred percent (100%) Labor and Materials Payment Bond will be required from the successful General Contract Bidder.

Each successful Filed Sub-Bidder will be required for provide a Performance Bond, and a Labor and Materials Payment Bond to the General Contractor if requested to do so as required under MGL c.149 §44F(2) (Form for Sub-bid).

L. Contract Award:

Upon receipt of bids, the Awarding Authority must determine, from information submitted on the Update Statement, whether the apparent low bidder is responsible and can be awarded the Contract.

The Awarding Authority will reject general bids and filed sub-bids when required to do so by the above-referenced General Laws. In addition, the Awarding Authority reserves the right to waive any informalities in bidding and to reject any and all general bids if it deems it in the public interest to do so. Also, the Awarding Authority reserves the right to reject any sub-bid if it determines that such sub-bid does not represent the bid of a person competent to perform work as specified or that less than three such sub-bids were received and that the prices are not reasonable for acceptance without further competition.
All bids shall remain in effect for 30 days (Saturdays, Sundays, and legal holidays excluded) after opening of General Bids. Successful bidders shall agree to commence work and complete the Work in accordance with the dates set forth in the Bidding Documents.

On-Site Work shall begin on-site work on, or after receipt by Contractor of Notice to Proceed. Work shall be substantially completed prior to **February 15, 2021**.
PART 1 - GENERAL

1.1 GENERAL PROVISIONS

A. The BIDDING REQUIREMENTS, CONTRACT FORMS, and CONTRACT CONDITIONS as listed in the Table of Contents, and applicable parts of Division 1 - GENERAL REQUIREMENTS, shall be included in and made a part of this Section.

1.2 SECTION INCLUDES

A. Furnish and install factory finished (integral color) fiber cement siding rainscreen system:
   1. Factory primed mineral fiber cement panelized siding with aluminum reveal trim.
   2. Factory primed mineral fiber cement panelized siding with open vertical joints.
   3. Factory primed mineral fiber cement trim at windows and elsewhere as indicated on the Drawings.
   4. Brake-metal work as indicated on Drawings which is directly related to fiber cement siding system.
   5. Panel fasteners and accessories.

1.3 RELATED SECTIONS

A. Section 01 74 19 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL: Procedural and administrative requirements for construction recycling.

B. Section 05 40 00 – COLD FORMED METAL FRAMING: Supporting framing for fiber cement siding system.

C. Section 06 10 00 - ROUGH CARPENTRY: Wood blocking.

D. Section 07 62 00 – SHEET METAL FLASHING AND TRIM: Brake metal work relating to roofing systems, and through-wall flashings.

E. Section 07 92 00 - JOINT SEALANTS: Sealant, other than those specified herein.

F. Section 09 91 00 - PAINTING:
   1. Finish painting of fiber cement mineral fiber siding and trim.
   2. Painting of brake-metal work.

1.4 REFERENCES

A. Reference Standards: Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01 42 00 – REFERENCES.
1. ICC AC 90: Acceptance Criteria for Fiber Cement Siding used as Exterior Wall Siding
2. IBC 1403.2: Reference Standard for Selection of Weather Resistive Barriers
3. AAMA 509: Test and Classification Method for Drained and Back-Ventilated Rainscreen Wall Cladding Systems
15. ASTM E136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 degrees C.

1.5 SUBMITTALS

A. Information and Review Submittals: Submit the following under provisions of Section 01 33 00 - SUBMITTAL PROCEDURES:
   1. Product Data: Manufacturer's data sheets on each product to be used, including:
      a. Preparation instructions and recommendations.
      b. Storage and handling requirements and recommendations.
      c. Installation methods, including fastening patterns.
   2. Shop Drawings: Provide shop drawings and erection plans for review including the following:
a. Layout of furring, finished sheets and fastener pattern.  
b. Details at base and top of walls, corners, at window trim and at other openings and connections.  
c. Aluminum reveal profiles and installation details.  
d. Aluminum brake metal work provided as part of the work of this Section.  
e. Ventilation details, indicate clear dimension of cavity.  

3. Product certificates including Research/Evaluation report or Code Authority approval of the system use for intended application.  

4. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer’s full range of available colors and patterns.  

5. Verification Samples:  
   a. For each panel product specified, two samples, minimum nominal size 3 inches by 8 inches (76 mm by 200 mm) square, representing actual product, color, and patterns.  
   b. Provide two sample sets of each type of panel fastener.  

1.6 QUALITY ASSURANCE  

A. Engineering Responsibility: Preparation of Shop Drawings, design calculations, and other structural data by a qualified professional engineer.  

B. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in the state the project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of panels that are similar to those indicated for this Project in material, design, and extent.  

A-C. Discard lengths of material which are unsound, warped, bowed, twisted, improperly treated, not adequately seasoned or too small to fabricate work with minimum of joints or optimum jointing arrangements, or which are of defective manufacture with respect to surfaces, sizes or patterns.  

1.7 MOCK-UPS  

A. Provide mock-up under provisions of Section 01 45 00 - QUALITY CONTROL.  

B. Provide mock-up assemblies using all system components, having shop-applied finish in Architect’s selected color. Each mock-up minimum 50 square feet, demonstrating the minimum standard for the Work.  
   1. Provide mock-up of siding system surrounding one aluminum window.  
   2. Provide mock-up of siding system at selected building corner, extending mockup on both sides of corner.  

C. Locate mock-ups where directed and include all surfaces and materials scheduled to receive a field applied finish.  

D. Maintain mock-ups during construction for workmanship comparison; remove and legally dispose of mock-ups when no longer required.
E. Accepted mock-ups may not remain as part of the work.

1.8 DELIVERY, STORAGE AND HANDLING

A. Do not deliver cement panels to site until job is ready for their installation.

B. Ship and handle all materials in a manner which will prevent damage; protect edges and corners from chipping.

C. Stack mineral fiber cement panels and trim on edge or lay flat on a smooth, level dry surface. Store sheets under cover and keep dry prior to installing.
   1. Store materials off the ground, flat and under cover in a dry place until erection.
   2. Keep materials dry and protect from freezing.
   3. Store materials in such a way to accommodate easy inspection of the materials prior to installation.

1.9 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer’s absolute limits.

1.10 WARRANTY

A. Furnish the following warranties under provisions of Section 01 78 00 - CLOSEOUT SUBMITTALS:
   1. Provide manufacturer’s 20 year transferable limited materials warranty, covering mineral fiber board panel siding and soffit panels, providing coverage for:
      a. Damage in siding resulting from defects in material and fabrication.
      b. Surface failure: Efflorescence, fading, discoloration.
      c. Cracking, rotting, or delamination.
      d. Damage from hail.
   2. Provide manufacturer’s 20 year transferable limited materials warranty, covering mineral fiber board trim, providing coverage for:
      a. Damage in siding resulting from defects in material and fabrication.
      b. Surface failure: Efflorescence, fading, discoloration.
      c. Cracking, rotting, or delamination.
      d. Damage from hail.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design (Specified Manufacturer): To establish a standard of quality, design and function desired, Drawings and specifications have been based on Swiss Pearl “Largo” Panels with sub-assemblies and trim, distributed through
Muralis Architectural Products Ltd., Burlington, ON Canada, and locally represented by Roof Tech Sales, North Andover, MA 01845.

B. Acceptable Manufacturers: Subject to compliance with the requirements specified herein, manufacturers offering products which may be incorporated in the work include the following, or approved equal:
   1. Swiss Pearl, distributed through Muralis Architectural Products Ltd., Burlington, ON Canada.
   2. American Fiber Cement Company (Cembrit Transparent), Littleton, CO.
   3. Equitone, (Equitone Natura), Maryville, TN.

2.2 SYSTEM DESCRIPTION

A. Provide panels and panel supports capable of the following:
   1. Wind Loads:
      a. Field: (30) PSF, positive and negative pressure
      b. Corner: (30) PSF, positive and negative pressure
   2. Deflection Limits: Withstand deflection L/300 maximum

B. Performance Requirements:
   1. Design system to accommodate, without damage to system, components or deterioration of seals; movement within system; movement between system and perimeter framing components; dynamic loading and release of loads; and deflection of structural support framing.
   2. Design to accommodate vertical inter-story movement and provide an allowance for the following tolerances:
      a. Building floor slab live load differential deflection.
      b. Structural creep.
      c. Thermally induced expansion and contraction of framing members.
      d. Fabrication and erection tolerances.
   3. Color Change in accordance with ASTM G155
      a. 2000 Hours: Change in E $< 1.9$
      b. 5000 Hours: Change in E $< 3.6$
   4. Frost Resistance: > 1000 cycles
   5. Guaranteed to be free from efflorescence proven by referenced projects a minimum of 5-10 years old
   6. Minimum Density- 1,675 Kg/m
   7. Minimum Modulus of Elasticity- 14,000 MPa

2.3 COMPONENTS

A. Wall panels: Cellulose and polyvinyl alcohol fiber-reinforced cement panel siding with smooth surface texture, factory finished with acrylic coating to all surfaces. Panels shall conform to the following:
   1. ASTM Standard Specification C1186 Grade II, Type A.
2. Panel size: 8 mm thick, by widths and lengths indicated on Drawings. (Maximum panel size is 1220mm by 3050 mm).
   a. Contractor is advised that indicated panel sizes may require cutting to provide indicated sizes on Drawings.

B. Wall panels shall conform to the following minimum requirements:
1. ASTM Standard Specification C1186 Grade II, Type A.
2. Flexural strength:
   a. Along direction of panel: 2300 psi (tested in accordance with ASTM C473).
   b. Across panel: 2900 psi (tested in accordance with ASTM C473).
3. Tensile strength:
   a. Along direction of panel: 1600 psi.
   b. Across panel: 1000 psi.

C. The following characteristics are not acceptable:
1. Autoclaved products.
2. Products reinforced with only cellulose fibers.
3. Efflorescence.
4. Sole use of hydrophobic additive as water protection without additional surface coating.

2.4 SUB-FRAMING

A. Basis of Design sub-framing: Bracket and rail components fabricated from extruded aluminum, mill finish.
1. Brackets shall be self-shimming for out of plumb conditions, with at least 1½” of built in adjustability.

B. Acceptable sub framing systems: Subject to compliance with the requirements specified herein, manufacturers offering products which may be incorporated in the work include the following, or approved equal:
1. Eco Cladding, Inc., Solana Beach, (“Alpha HCI”).
2. Knight Wall Systems, Deer Park, WA.

2.5 ACCESSORIES

A. Fasteners: Self taping, type 304 stainless steel fastener, type, size and spacing required for type of substrate and Project conditions, to meet specified performance requirements.
1. Pre-drill fasteners for support channels greater than 16 gauge thickness.

B. Aluminum Brake Metal Work (related to Fiber Cement Siding System): ASTM B209 sheet aluminum, having a minimum thickness: 0.040 inch thick
1. Metal Divider strips: Thermoset powder coat finish, black color.
C. Reveal trim (alternative to metal divider strips when panels have unfinished edges): Extruded aluminum 6063 aluminum alloy in T-5 temper with a minimum thickness of 0.050 inch, furnished in 12 foot lengths in profiles and shapes as indicated on Drawings.

1. Reveal Trim Finish: DTM acrylic primer.

2. Manufacturers: Subject to compliance with the requirements specified herein manufacturers offering similar products include the following, or approved equal
   a. Fry Reglet Architectural Metals, Santa Fe, CA
   b. Tamlyn, Stafford, TX.
   c. Pittcon Industries, Riverdale, MD.

4.3. Brake Metal Finish: Thermoset powder coat finish, custom color matching panels.


2.6  FABRICATION

A. Shop pre-cut all boards, including ripping siding to specific width profiles and end cut boards. Seal all cut edges with primer prior to installation.

2.7  FINISH

A. Panels integrally colored in color(s) selected by Architect from manufacturer’s full price range.
   1. Basis of Design: Swiss Pearl product “Caret F.”

PART 3 - EXECUTION

3.1  EXAMINATION

A. Verify adequacy of sheathing, backing and support framing for all siding work.

3.2  PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3  INSTALLATION, GENERAL

A. Install siding in strict accordance with Manufacturer’s written instructions and as additionally specified herein. Install claddings to dry surfaces.

B. Do not fasten mineral fiber cement boards to each other under any circumstance.

C. Panel Cutting:
   1. Cut panels using a high speed circular saw with a segmented diamond blade.
2. Cut panels from the front side and protect the face from being damaged during cutting.
3. For incidental cuts, cut panels from the front side using a jigsaw with a carbide tip blade.
4. Provide adequate ventilation during cutting. Use of a dust extractor is recommended.
5. Touch up all cut edges with manufacturer's recommended sealer or paint system before installation.

D. Drilling:
   1. Drilling of holes must be done from the front of the panel using a carbide tip drill bit.
   2. Holes are recommended to be done using a universal drill.
   3. Larger holes, or cut-outs on the panel, can be made by a jigsaw with a carbide blade or a hole saw with a diamond blade.

3.4 INSTALLATION, PANEL SIDING

A. Block framing between furring where panel siding horizontal and vertical joints occur.

B. Place fasteners no closer than 3/8 inch from panel edges and 2 inch from panel corners, or in compliance with more restrictive clearances recommended by manufacturer.

C. Install panel using spacers at all joints to allow for reveal dimensions indicated on the Drawings. Leave bottom edge of panel above all horizontal trims exposed, no caulking shall be placed at this overlap of horizontal reveal trim. Factory primed edge shall always be used.

D. Allow minimum 1 inch vertical clearance between roofing and bottom edge of siding.

E. Maintain clearance between siding and adjacent finished grade as indicated on the Drawings.

F. Specific framing and fastener requirements refer to Tables 2 and 3 in National Evaluation Service Report No. NER-405.

3.5 INSTALLATION, TRIM

A. Fasten through trim into furring or blocking. Fasteners must penetrate minimum 3/4 inch or full thickness of sheathing. Additional fasteners may be required to ensure adequate security.

B. Place fasteners no closer than 3/4 inch and no further than 2 inch from side edge of trim board and no closer than 1 inch from end as recommended by manufacturer and as indicated on approved shop drawings. Fasten maximum 16 inches on center.
C. Allow 1/8 inch gap between trim and siding. Seal gap with high quality, paintable caulk.

3.6 BRAKE METAL INSTALLATION - GENERAL

A. Except as otherwise shown on the reviewed shop drawings or specified herein, the workmanship of sheet metal work, method for forming joints anchoring, cleating, provisions for thermal movement, shall conform to the standard details and recommendations of the sheet metal producer and those of producer organizations and research institutions and associations concerning the sheet metal used, in addition to the standards and details set forth in the referenced materials specified this Section.

B. Face nailing will not be permitted, concealed cleating or other concealed method must be used to attach sheet metal work to structure.

C. Ensure that fastenings do not exceed 8 inches on centers. Use flat head fasteners throughout, and seal all fastener heads after installation thereof.

D. Fill all slip joints and overlapping surfaces in the assembly with specified sealant material, removing all excess sealant material from the prefinished surfaces immediately, to prevent staining the finish.

3.7 INCIDENTAL SITE FINISHING

A. Carefully set exposed nails flush with siding coating.

B. Touch-up blemished siding materials to match siding color.

3.8 TOLERANCES

A. Maximum variation for siding from true position of 1/8 inch in 8 feet for plumb.

3.9 CLEANING

A. Daily clean work areas by sweeping and disposing of scraps and sawdust.

End of Section
Project: Taunton Municipal Airport, New Administration Building
Westcoat Drive
East Taunton, MA 02718

Owner: The City of Taunton
141 Oak Street
Taunton, MA 02780

Architect: Airport Solutions Group, LLC
39 Winn Street
Burlington, MA 01803
t. 781.491.0083
f. 781.491.0360

Civil Engineer: Arup USA, Inc.
60 State Street, 10th Floor
Boston, MA 02109
t. 617.864.2987
f. 617.864.6178

Structural/MEP/FP Engineer: GZA GeoEnvironmental, Inc.
249 Vanderbilt Avenue
Norwood, MA 02062
t. 781.278.3700
f. 781.278.5701

Geotechnical Engineer: Landworks>Studio Inc.
83 North Street
Salem, MA 01970
t. 617.426.3030
f. 617.426.3033

Survey & Sewer Engineer: Nitsch Engineering
2 Center Plaza
Boston, MA 02108
t. 617-338-0063
f. 617-338-6472

Nitsch No. 10262.17
25 OCTOBER 2019

Drawing Title: SEWER UTILITY PLAN / PROFILE II
Drawing No.: CS-102
RECLAIM EXIST. PAVERMENT

SEE ELECTRICAL PLANS FOR POWER/DATA FOR VEEDER LINE
(USE ELECTRICAL DRAWINGS FOR ADDITIONAL CONDUITS ALONG VEEDER LINE)

REMOVE EXIST. 4-WAY DUCT TO PROPOSED HH. PROVIDE TEMPORARY VEEDEER-ROOT TO EXIST. DISPLAY IN SRE BUILDING

VERIFY CIRCUITRY PRIOR TO DEMOLITION

PERMANENT LINE INSTALLED DURING TEMPORARY PHASE

NOTE:
1. PROVIDE NEW HH
2. FLOOR TO FLOOR 4-WAY CONCRETE ENGAGED DUCT BANKS TO NEW HH
3. PROVIDE TEMPORARY 3" CONDUIT FOR VEEDER-ROOT
4. PROVIDE TEMPORARY 5-WAY 2" CONDUIT TO NEW HH FOR TEMPORARY POWER, VEEDEER-ROOT AND TELECOM TO FUEL FACILITY.
5. INSTALL TEMPORARY CONDUIT FROM NEW HH TO TEMPORARY MNA-PW PANEL AND TELECOM AND TO THE SRE BUILDING FOR THE PERMANENT NUMBERED PHASE
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUITRY PRIOR TO DEMOLISHING THE EXISTING BUILDING. THE CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES TO THE EXISTING FUEL FARM, SECURITY CAMERAS, SLIDING GATE MOTORS, AREA LIGHTING, PHONE PEDESTAL, VEEDEER-ROOT SYSTEM AND SERVICE TO THE SRE BUILDING.

SEE ELECTRICAL PLANS FOR POWER/DATA FOR VEEDER LINE
(USE ELECTRICAL DRAWINGS FOR ADDITIONAL CONDUITS ALONG VEEDER LINE)

REMOVE EXIST. 4-WAY DUCT TO PROPOSED HH. PROVIDE TEMPORARY VEEDEER-ROOT TO EXIST. DISPLAY IN SRE BUILDING

VERIFY CIRCUITRY PRIOR TO DEMOLITION
### FEEDER SCHEDULE

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>CONDUCTORS (CTY, SIZE)</th>
<th>GROUNDED (SIZE)</th>
<th>UNGROUNDED (SIZE)</th>
<th>NOTES</th>
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<tr>
<td>C115D</td>
<td>4#2 #6 1-1/2&quot;</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>C150B</td>
<td>3#1/0 #6 2&quot;</td>
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<td></td>
<td></td>
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<tr>
<td>C175B</td>
<td>3#2 #4 2&quot;</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>C20B</td>
<td>3#12 #12 3/4&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td>4#12 #12 3/4&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C255B</td>
<td>3#250MCM #2 3&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C30A</td>
<td>2#10 #10 3/4&quot;</td>
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</tr>
<tr>
<td>C30D</td>
<td>4#10 #10 3/4&quot;</td>
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<td></td>
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<tr>
<td>C380A</td>
<td>3#8 #10 1&quot;</td>
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<td>C420A</td>
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<tr>
<td>C420D</td>
<td>4#600MCM #1/0 4&quot;</td>
<td></td>
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</tr>
</tbody>
</table>

**NOTES:**
1. REFER TO ELECTRICAL CODE AND DESIGNER FOR SIZES. NUMBERS ARE APPROXIMATE.
2. FURNISH ALL CIRCUIT BREAKERS THRU 150A AND ARCHITECT, ENGINEER.
3. ANY FURNITURE BEARING "W" DESIGNATION USE 15-18G WIRE IN FEEDER.

### LIGHTING FIXTURE SCHEDULE

**NOTE:** FOR MULTIPLE FIXTURES, SIZES OF EACH ARE INCLUDED IN FEEDER CIRCUIT BREAKER (NBS-PORT 2 SECTION 250.12D).

#### PANEL: "RP-1, EXIST GATE POWER SUB PANEL"

<table>
<thead>
<tr>
<th>CIRCUIT DESCRIPTION</th>
<th>TYPE</th>
<th>PHASES</th>
<th>PHASE WATTAGE</th>
<th>WATTAGE</th>
<th>CIRCUIT DESCRIPTION</th>
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<tbody>
<tr>
<td>EXISTENT DRY ROD FROM</td>
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<td>3</td>
<td>50</td>
<td>250</td>
<td>EXISTENT DRY ROD FROM</td>
</tr>
<tr>
<td>EXISTENT DRY ROD FROM</td>
<td>5</td>
<td>3</td>
<td>50</td>
<td>250</td>
<td>EXISTENT DRY ROD FROM</td>
</tr>
</tbody>
</table>

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**Notation:**
- rp-1: Existing gate power sub panel
- c115d: 4#2 #6 1-1/2" for ground wire
- c150b: 3#1/0 #6 2" for ground wire
- c175b: 3#2 #4 2" for ground wire
- c20b: 3#12 #12 3/4" for ground wire
- c20d: 4#12 #12 3/4" for ground wire
- c255b: 3#250mcm #2 3" for ground wire
- c30a: 2#10 #10 3/4" for ground wire
- c30d: 4#10 #10 3/4" for ground wire
- c380a: 3#8 #10 1" for ground wire
- c380d: 4#8 #8 1" for ground wire
- c40a: 2#8 #10 1" for ground wire
- c40b: 3#8 #10 1" for ground wire
- c420a: 2#600mcm #1/0 4" for ground wire
- c420b: 3#600mcm #1/0 4" for ground wire
- c420d: 4#600mcm #1/0 4" for ground wire

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**Additional Notes:**
- Total Connected Amps: 4.5 A
- Vols: 120/240 V
- Type: 0-10V Dimming
- Watts: 80 W
- Color Temperature: 3500K
- Manufacturer: Philips Daybrite Linear Fluxstream

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**SRE BUILDING PANELBOARD SCHEDULES**

<table>
<thead>
<tr>
<th>PANEL</th>
<th>DESCRIPTION</th>
<th>TYPE</th>
<th>PHASES</th>
<th>PHASE WATTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;-RP-1</td>
<td>EXIST GATE POWER SUB PANEL</td>
<td>5</td>
<td>3</td>
<td>50</td>
</tr>
</tbody>
</table>

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**Add-Alternate (AA) #1: Gate Power Panel**

<table>
<thead>
<tr>
<th>CIRCUIT DESCRIPTION</th>
<th>TYPE</th>
<th>PHASES</th>
<th>PHASE WATTAGE</th>
<th>WATTAGE</th>
<th>CIRCUIT DESCRIPTION</th>
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<tbody>
<tr>
<td>EXISTENT DRY ROD FROM</td>
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<td>3</td>
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<td>5</td>
<td>3</td>
<td>50</td>
<td>250</td>
<td>EXISTENT DRY ROD FROM</td>
</tr>
</tbody>
</table>

---

**Additional Notes:**
- Total Connected Amps: 4.5 A
- Vols: 120/240 V
- Type: 0-10V Dimming
- Watts: 80 W
- Color Temperature: 3500K
- Manufacturer: Philips Daybrite Linear Fluxstream
SITE ELECTRICAL DISTRIBUTION

1. CONTRACTOR.
2. EC SHALL COORDINATE ALL SITE WORK WITH CIVIL, LANDSCAPE AND GENERAL ELECTRICAL WORK.
3. ALL EXTERIOR LIGHTING CIRCUITS SHALL BE HOMERUN TO POWER PANEL.
4. ELECTRICAL REQUIREMENTS INCLUDING BUT NOT LIMITED TO QUANTITY, LENGTH, TYPE AND WIRING TYPE SHOWN FOR EXISTING EQUIPMENT (FUEL FARM, GATE HOUSE, ETC.).
5. EC SHALL PROVIDE POWER AND CONTROL WIRING FOR ALL SITE LIGHTING. REFER TO CONSTRUCTION DRAWING E01A/E01B/E02/E02/E04/E04.
6. PROVIDE 2#8, #10G IN 1"C. FROM POLE TO TRANSFORMER PAD. ENSURE THAT CONDUCTORS IN A CONCRETE ENCASED DUCTBANK FROM POLE TO TRANSFORMER PAD. ENSURE THAT CONDUCTORS IN A CONCRETE ENCASED DUCTBANK ARE ISOLATED FROM GROUNDING DETAILS. IN ADDITION, EC SHALL PROVIDE (3)1/0 AWG CO/CO INSULATED CAPS FOR EXISTING POWER & LIGHTING CENTER. PROVIDE 3#10 + 1#10G IN 1"C FOR EACH PUMP IN A CONCRETE ENCASED DUCTBANK.
7. EXISTING POLE ROUTED UNDERGROUND FROM NEW TELECOMM ROOM TO CONDUIT & WIRING SPACES FOR ROOM LOCATION.
8. PROVIDE HANDHOLE ADJACENT TO ALL PENETRATIONS THROUGH STRUCTURE. PROVIDE HANDHOLE (TYPICAL) PROVIDED (2)4" EMPTY CONDUITS FOR NEW MANHOLE TO INTERCEPT AND ROUTE TO POWER CONNECTION FOR (2) 3HP PUMPS IN PUMP ROOM. PROVIDE N.I.C - N.I.C.
9. POWER CONNECTION FOR (2) 3HP PUMPS IN PUMP ROOM TO BE POWERED BY TRANSFORMER PAD. EC SHALL PROVIDE POWER & LIGHTING CENTER. PROVIDED (2)4" EMPTY CONDUITS FOR NEW MANHOLE TO INTERCEPT AND ROUTE TO POWER CONNECTION FOR (2) 3HP PUMPS IN PUMP ROOM. PROVIDE N.I.C - N.I.C.
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ELECTRICAL RISER DIAGRAM NOTES:

1. SHUT THE BASE PROJECT.
2. GENERATOR, ALL OTHER ASSOCIATED CONNECTIONS AND EQUIPMENT SHALL BE CONSIDERED AS PART OF WEATHERPROOF ENCLOSURE.
3. ADD ALTERNATE PRICING SHALL ONLY INCLUDE THE COST OF THE ADD ALTERNATE #1: 120/208V, 3 PHASE, 120/208V LOAD CENTER AS PART OF GENERATOR PACKAGE.

ARCHITECTURAL PLANS. CONDUIT PATHS SHALL BE COORDINATED WITH CIVIL PLANS AND IN FIELD WITH PROVIDE 3/4" CONDUIT BETWEEN GENERATOR AND ASSOCIATED AUTOMATIC TRANSFER SWITCH FOR PROVISIONS TO GENERATOR EQUIPMENT AS REQUIRED. ENDOR TO SIZE ALL LOAD CENTER CONNECTIONS TO AUXILIARY EQUIPMENT (I.E. BATTERY CHARGER, HEATER, LIGHTS). PROVIDE ALL EQUIPMENT GROUND FOR GENERATOR PER NEC 250.

NEW 200A ENCLOSED CIRCUIT BREAKER FOR EXISTING SRE BUILDING.

NEW 400A ENCLOSED CIRCUIT BREAKER FOR NEW ADMIN BUILDING.

CONNECTIONS TO GENERATOR EQUIPMENT AS REQUIRED. ENDOR TO SIZE ALL LOAD CENTER TERMINATIONS REQUIREMENTS WITH TEMP AND COORDINATE ALL BAR STUDS WITH NO TOP TOUNS.

Existing #300 service (1) THRU SERVICE PREVIEW TO BE DEMOLISHED. PLUS (+) AND MINUS (−) SERVICE PREVIEW TO BE DEMOLISHED. PLUS (+) AND MINUS (−) SERVICE PREVIEW TO BE DEMOLISHED.

UNDERGROUND CONCRETE ENCLOSURE FOR EXTERIOR EQUIPMENT (EMERGILITE). PROVIDE METER SOCKET, IN NEMA 3R ENCLOSURE (ASCO 300 Series OR APPROVED EQUAL). REFER TO DETAIL 2.

MECHANICAL EQUIPMENT, LIGHTING (LITHONIA XMBYP OR APPROVED EQUAL BY DUAL LIGHTING EAC)

PROVIDE 60A 208/120V, 3 PHASE, 4" C/M - 4"C (XHHW) PROVIDE 60R OUTLET LOCATED ON THE EXTERIOR EQUIPMENT ENCLOSURE FOR EXTERIOR EQUIPMENT ENCLOSURE.

NEW PANELBOARD LOCATED IN EXISTING IT LEVEL 01.

EXISTING MAIN PANELBOARD TO BE DEMOLISHED. CONDUIT FEEDERS TO BE DEMOLISHED. CONDUIT ROUTING TO BE CONFIRMED IN FIELD.

EXISTING 3 PH 200A 120/240V, 3 PH 60A 2-1/2"C (XHHW) CONDUIT TO FEEDERING TO THE EXISTING 1 PH 200A 120/240V PANEL.

REFER TO DETAIL 2/E-301 FOR ADDITIONAL INFORMATION.

OWNER:
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Taunton, MA 02780

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CONTRACTOR:
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Survey & Sewer Engineer:
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Geotechnical Engineer:
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Structural/MEP/FP Engineer:
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Commercial/Architectural/Interior Design:
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Project:
Taunton Municipal Airport, New Administration Building

1-2019.12.04 Addendum 1

Sheet 1

Drawing No.: E-301
Sheet 2
NOTES:
1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND VERIFYING ALL ELECTRICAL EQUIPMENT SHOWN ON PLAN.

2. INCOMING SERVICE FROM CONCEPT (REFER TO E-701)

3. TO FUTURE USE BY 2020

4. TO FUTURE USE BY 2020

5. TO FUTURE USE BY 2020

6. TO FUTURE USE BY 2020