

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New Contract OTR Sole Source Bid Waiver Emergency Previous Contract's: Not Applicable
Re-Bid Other

LIVING WAGE APPLIES: NO

Requisition No./Project No.: RQMT1400014 TERM OF CONTRACT: 4 Years

Requisition /Project Title: Acoustical Panels, Posts, Brackets and Associated Hardware

Description: The purpose of this solicitation is to purchase acoustical panels, posts, brackets and associated hardware for Miami-Dade County Transit (MDT) Track and Guide Way. The assembly of the posts, brackets and associated hardware to the acoustical panels and installation shall be the responsibility of MDT.

Issuing Departments and Funding Sources:

User Dept.	Funding Source
Transit	MDT Operating (PTP)

Contact Person: Ana M. Rioseco Phone: 305-375-4425 Estimate Cost: \$ 2,634,529

ANALYSIS

Commodity Codes: 940-89 Track Maintenance and Repair

Check here if this is a new contract/purchase with no previous history.

	<u>EXISTING</u>	<u>EXISTING</u>	<u>EXISTING</u>
Contractor:			
Small Business Enterprise:			
Contract Value:			
Comments:			
Continued on another page (s):			

RECOMMENDATIONS

	<u>Set-aside</u>	<u>Sub-contractor goal</u>	<u>Bid preference</u>	<u>Selection factor</u>
SBE				

Basis of recommendation:

[Redacted area for Basis of recommendation]

Signed: Ana M. Rioseco

Date sent to SBD: 01/05/2015

Date returned to DPM: [Redacted]

SECTION 2 - SPECIAL TERMS AND CONDITIONS**2.1 PURPOSE**

The purpose of this solicitation is to purchase acoustical panels, posts, brackets and associated hardware for Miami-Dade County Transit (MDT) Track and Guide Way. The assembly of the posts, brackets and associated hardware to the acoustical panels and installation shall be the responsibility of MDT.

2.2 TERM OF CONTRACT: FOUR (4) YEARS

This contract shall commence on the first calendar day of the month succeeding approval of the contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the blanket purchase order issued by the Internal Services Department, Procurement Management Services Division (ISD/PMS); and contingent upon the completion and submittal of all required bid documents. The contract shall expire on the last day of the last month of the fourth (4) year period.

2.3 OPTION TO RENEW

Intentionally Omitted

2.4 METHOD OF AWARD

Award of this contract will be made to the responsive, responsible Bidder who submits an offer on all items listed in the solicitation and whose offer represents the lowest price when all items are added in the aggregate. If a Bidder fails to submit an offer on all items, its overall offer may be rejected. The County will award the total contract to a single Bidder.

All Bidders shall meet or exceed the following requirements to be considered for award:

2.4.1 Step One: Minimum requirements at the time of bid submittals:

- a. Warranty Requirements as per section 2.10
- b. Corrosion Protection Systems Requirement as per section 3.2.D.2
- c. Material Safety Data Sheet as per section 3.2.D.5
- e. Noise Reduction Requirement as per section 3.2.E
- f. Drawings as per section 3.3.A
- g. Design Calculations as per section 3.3.B
- h. Product data as per section 3.3.C

Bidders shall provide copies of requested documents with their bid. However, the County reserves the right to request such documentation during the evaluation period. Failure to meet these requirements may result the bid being deemed non-responsive.

2.4.2 Step Two: Items required during evaluation at the time of specific request:

- a. Complete Assembly and Color Samples as per section 3.3.1.a and 3.3.2.b
- b. Impact Testing as per section 3.2.D.7
- c. Quality Control Program as per section 2.11

2.5 PRE-BID CONFERENCE AND SITE VISIT (HIGHLY RECOMMENDED)

A pre-bid conference followed by a site visit / walk through will be held on Monday, January **th, 2015, at * a.m. at the Overtown Transit Village (OTV) building located at 701 NW 1st Court, Miami Florida 33136, first floor training room, to discuss the special conditions and specifications included within this solicitation. It is highly recommended that a representative of the firm attend this conference as the "cone of silence" will be lifted during the course of the conference and informal communication can take place.

It is highly recommended that Bidder's attend the site visit to see the existing guide way and identify and become familiar with any and all conditions which may, in any manner, affect the fabrication and delivery of the acoustical panels, posts, brackets and associated hardware. No allowances will be made due to a bidder's lack of knowledge of these conditions.

A site visit will be conducted on the existing guide way following the pre-bid conference at OTV.

2.6 PRICES

Prices shall remain firm and fixed for a two-year period from the effective date of the Contract.

Prior to completion of the two-year period, the County will consider adjustment to price based on the Manufacturers Price Increase (Manufacturers Invoice Indications Price Increase).

2.6.1 It is the awarded Bidder's responsibility to request any pricing adjustment. For any adjustment to commence on the first day of the next two-year period, the request for adjustment should be submitted 90 days prior to expiration of the initial two-year period. The adjustment request must clearly substantiate the requested increase. If no adjustment request is received, the County will assume that the awarded Bidder has agreed to the current prices. Any adjustment request received after the commencement of a new two-year period may not be considered.

The County reserves the right to reject any price adjustments submitted by the awarded bidder.

2.7 METHOD OF PAYMENT PERIODIC INVOICES FOR COMPLETED PURCHASES

The awarded Bidder shall provide a fully documented invoice to the County user department that requested the items through a purchase order. Under no circumstances shall the invoice be submitted to the County in advance of the delivery and acceptance of the items. All invoices shall contain the following basic information as stipulated in Section 1.34.

2.8 DELIVERY REQUIREMENTS

The awarded Bidder shall make an initial delivery of one hundred and twenty (120) acoustical panels and two hundred and forty (240) posts, brackets, and associated hardware within sixty (60) calendar days after the date of the purchase order. The awarded Bidder shall keep a minimum of one hundred and twenty (120) acoustical panels and two hundred and forty (240) posts, brackets, and associated hardware in inventory for immediate delivery to MDT upon request, until order is complete. All deliveries shall be made in accordance with good commercial practice and all required delivery timeframes shall be adhered to by the awarded Bidder; except in such cases where the delivery will be delayed due to acts of nature, strikes, or other causes beyond the control of the awarded Bidder. In these cases, the awarded Bidder shall notify the County of the delays in advance of the original delivery date so that a revised delivery schedule can be appropriately considered by the County. Deliveries shall be on an incremental basis and coordinated with the MDT Track and Guide Way representative.

2.8.1 Should the awarded Bidder to whom the contract is awarded fail to deliver in the number of days stated above, the County reserves the right to cancel the order on a default basis after any back order period that has been specified in this contract has lapsed. If the order is so terminated, it is hereby understood and agreed that the County has the authority to purchase the goods elsewhere and to charge the awarded Bidder with any re-procurement costs. If the awarded Bidder fails to honor these re-procurement costs, the County may terminate the contract for default.

2.9 SHIPPING TERMS F.O.B. DESTINATION

All Bidders shall quote prices based on F.O.B. Destination and shall hold title to the goods until such time as they are delivered to, and accepted by, an authorized County representative at:

William Lehman Center
6601 NW 72 Avenue
Miami, FL 33166

2.10 WARRANTY REQUIREMENTS: GUARANTEE SHOULD BE SUPPLIED IN WRITTEN FORM

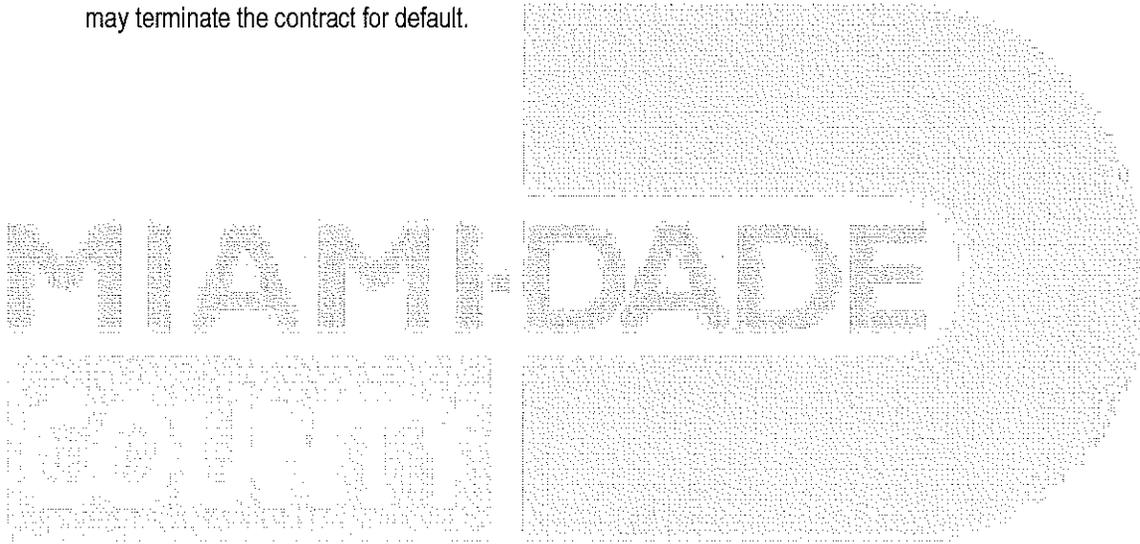
Written guarantees should be submitted with the initial offer, however, the awarded Bidder may be given the opportunity to submit the guarantee to the County during the evaluation period. The awarded Bidder shall warrant to the County in writing that acoustical panels, posts, brackets and associated hardware will remain free from defects in materials and maintenance free 25 years after the date of final acceptance by MDT Track and Guide Way Division. Failure to meet this requirement may result in rejection of the offer. The awarded Bidder hereby agrees to investigate any or all complaints resulting from items supplied by the awarded Bidder and must agree to accept the return of any items not found acceptable. The awarded bidder shall be responsible to replace defected acoustical panels, posts, brackets and associated hardware.

2.11 QUALITY CONTROL PROGRAM

The awarded Bidder shall submit at the time of specific request, a Quality Control Program consisting of appropriate documentation to be signed and dated by a representative of the contractor that demonstrates that quality control will be effectively monitored throughout production. The Quality Control Program must be approved by MDT Track and Guide Way Division before implementation.

2.12 DEFICIENCIES IN WORK TO BE CORRECTED BY THE AWARDED BIDDER

The awarded Bidder shall promptly correct any and all apparent or latent deficiencies and/or defects in work and/or any work that fails to conform to the contract documents; regardless of the fabrication, or completion status of the overall task. All corrections shall be made within ten (10) calendars. Defects, deficiencies, and/or non-conformances are verbally reported to the awarded Bidder by the County's project administrator, who may confirm all such verbal reports in writing. The awarded Bidder shall bear all costs of correcting such rejected work. If the awarded Bidder fails to correct the work to the satisfaction of the MDT representative within the period specified, the County may at its discretion, notify the awarded Bidder in writing, that the awarded Bidder is subject to contractual default provisions if the corrections are not completed to the satisfaction of the County within five (5) calendar days of receipt of the notice. If the awarded Bidder fails to correct the work within the period specified in the notice, the County shall place the awarded Bidder on default, obtain the services of another Vendor to correct the deficiencies, and charge the awarded Bidder for these costs; either through a deduction from the final payment owed to the awarded Bidder or through invoicing. If the awarded Bidder fails to honor this invoice or credit memo, the County may terminate the contract for default.



SECTION 3 – TECHNICAL SPECIFICATIONS

3.1 SCOPE OF WORK

This contract is for the purchase and delivery of acoustical panels, posts, brackets and associated hardware to be installed by Miami-Dade Transit (MDT) Track and Guide Way Division Staff along the elevated sections of the Metrorail tracks in Miami-Dade County, Florida.

This section specifies performance requirements for design and production of acoustical panels, brackets and associated hardware. Sketches showing general dimensions of the acoustical panels, brackets and associated hardware as well as the vertical posts and connection details to the guide way deck are included with the performance specifications (See Drawings 1 through 5).

3.2 REQUIREMENTS:

A. Design Requirements: Acoustical panels, posts, brackets and associated hardware shall be designed in accordance with Miami-Dade Transit Design Criteria, American Association of State Highway and Transportation Officials (AASHTO) Load and Resistance Factor Design (LRFD) Bridge Design Specifications (6th Edition, 2012), as modified herein for wind loads. Panels shall withstand the following forces without failure, permanent deflection or water retention:

1. Service Design Wind Pressure: The wind pressures shown in the table below are based on the current wind load criteria in Miami-Dade County, using basic wind speed of 150 mph (for 100-year recurrence) (ASCE – American Society of Civil Engineers 7-10 Fig. CC-4), importance factor of 1.0 and a directionality factor of 1.0.

Height above ground (ft)	25	30	40	50	60	70	80	85
Wind pressure (psf)	84	89	97	104	109	114	118	119

2. Strength Limit State Wind Pressure: The above wind pressures shall be multiplied by a factor of 1.40. The wind pressure shall be applied perpendicular to either side of exposed surfaces of the panel.
3. Acoustical panels, posts, brackets and associated hardware shall be mountable on the guide way deck using the existing attachment holes on the guide way deck for connection. (Refer to Drawing 2: Acoustical Panel Elevation - View A-A).
4. Lateral deflection of vertical posts shall not exceed ¼ inch in any direction under strength limit state loadings. Deflection of proposed acoustical panel between posts shall not exceed ¾ inch in any direction under strength limit state loadings.

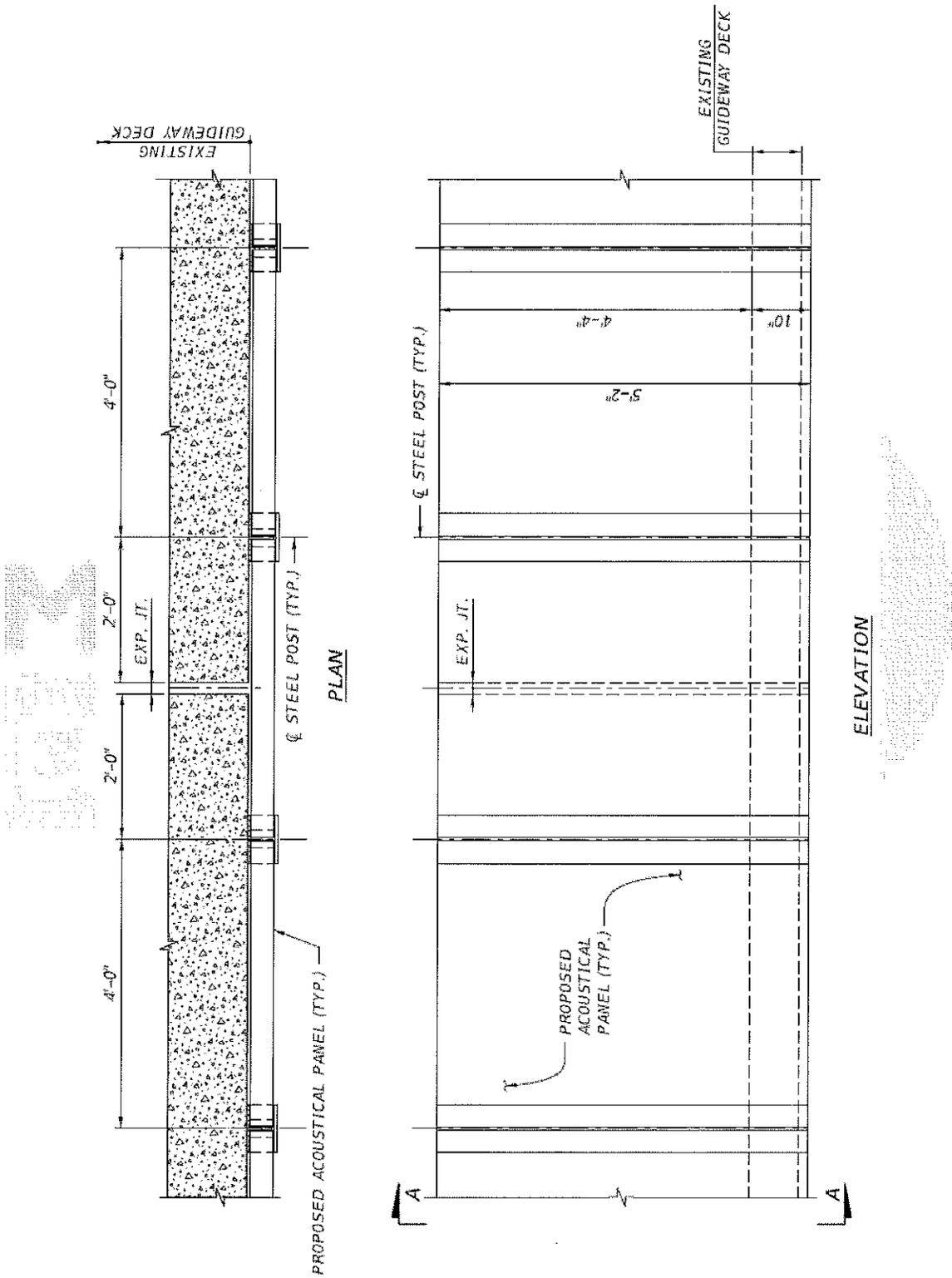
5. Total weight of acoustical panel system shall not exceed 195 pounds per linear foot, including connection hardware. The weight of the panel, its required posts and brackets shall compromise the sum total of the weight.
- B. Geometric Requirements: Refer to the attached sketches for the geometric requirements (Drawing No. 2) of acoustical panels.
1. Standard Panels: The standard overall dimensions of each acoustical panel is 5'-2" (height) x 4" (thickness or less as long as it meets all test requirements) x 4' (width). (**Note**: Bid price for standard dimension panel shall be offered per each acoustical panel).
 2. Special Applications: Panel sizes may vary for special applications at the ends of the girders due to the variance in length of the girder. (**Note**: Bid price for Special Applications acoustical panel shall be offered per linear feet).
 3. The spacing of the vertical posts supporting the acoustical panels shall be based on the spacing of the existing attachment holes in the guide way deck, as indicated in Section 3.2.A.3. The standard hole spacing in the guide way deck is 4'-0" (+/- 1/2"). The spacing varies at expansion joint locations.
- C. Aesthetic requirements: The color and finish of the acoustical panels shall match the existing guide way color of basic white. The awarded Bidder shall provide two color sample acoustical panels for approval by MDT and should be submitted at the time of specific request. No fastenings on the exterior surface of the acoustical panel shall be visible.
- D. Material requirements: Acoustical panels, posts, brackets and associated hardware shall consist of sound absorptive material complying with the design, durability and aesthetic criteria specified in this performance specification. Acoustical panels shall not be constructed with wood or concrete. Steel or aluminum may be incorporated in the design of the panel but shall not compromise a substantial portion of the panel. All steel shall be treated or coated to prevent corrosion.
1. All new materials shall be provided. Recycling of existing acoustical panel components will not be accepted.
 2. Acoustical panels, posts, brackets and associated hardware shall be resistant to corrosion. Proposed corrosion protection systems (including the report) shall be included in the submittal and approved by MDT.
 3. All connectors and vertical posts shall be fabricated of non-ferrous materials, stainless steel or structural steel that is hot dip galvanized after fabrication according to the requirement of ASTM A 123 or A 153.
 4. All materials shall have low flame spread and smoke development classifications in accordance with ASTM E 84. The maximum acceptable flame spread index and smoke developed index are 50 and 180, respectively.

5. All materials shall be non-toxic to the environment and pose no known health hazards. A Material Safety Data Sheet (MSDS) shall be required under the Occupational Safety and Health Act Enforcement (OSHA) Communication Standard to identify hazardous chemicals, health and physical hazards, exposure limits and precautions as appropriate. National Fire Protection Association (NFPA) Hazard Rating for Health category shall be zero. The MSDS shall be included in the submittal.
6. All materials shall withstand prolonged periods of exposure to moisture. Absorptive materials in acoustical panels shall require submission of water absorption testing. Water absorption percentage shall not exceed 0.5% by volume when tested in accordance with the appropriate ASTM Standards or an alternate standardized testing procedure. Support components of absorptive acoustical panels shall not degrade potential sound attenuation.
7. The Bidder shall demonstrate through engineering calculations and testing that the acoustical panel can withstand the impact of windborne debris during hurricane events. All acoustical panels shall be shatterproof. Impact testing shall be performed **in accordance with Florida Building Code Testing Application Standard (TAS) 201-94** and shall be **submitted at the time of specific request**. Acoustical Panel elements shall be subjected to both the large and small missile impact test outlined in (TAS) 201-94, **and** cyclic wind pressure loading. Under the large missile impact test, breakage or damage is allowed with no excessive deflection which would cause the acoustical panel to dislodge from the connection brackets and attachment hardware. No breakage or damage is allowed to the acoustical panel under the small missile impact test.
8. Mechanical connections shall be secured with hardened, carbon steel, stainless, paired cam lock washers similar to the Nordlock Bolt Securing System.
 - E. Noise reduction requirements: Acoustical panels shall be tested to determine the Sound Absorptive Average (SAA) in accordance with ASTM C 423-09a. Testing shall be completed by an independent National Voluntary Laboratory Accreditation Program (NVLAP) certified facility. Any Panel system shall achieve a Sound Absorption Average (SAA) rating equal to or greater than 0.75 to be classified as sound absorptive. Testing results shall be included with bid submittal.
1. The random incidence sound transmission losses of the acoustical panel material when tested in accordance with ASTM E 90, shall have a Sound Transmission Class (STC) rating of Delta "T" equal to or greater than 20.

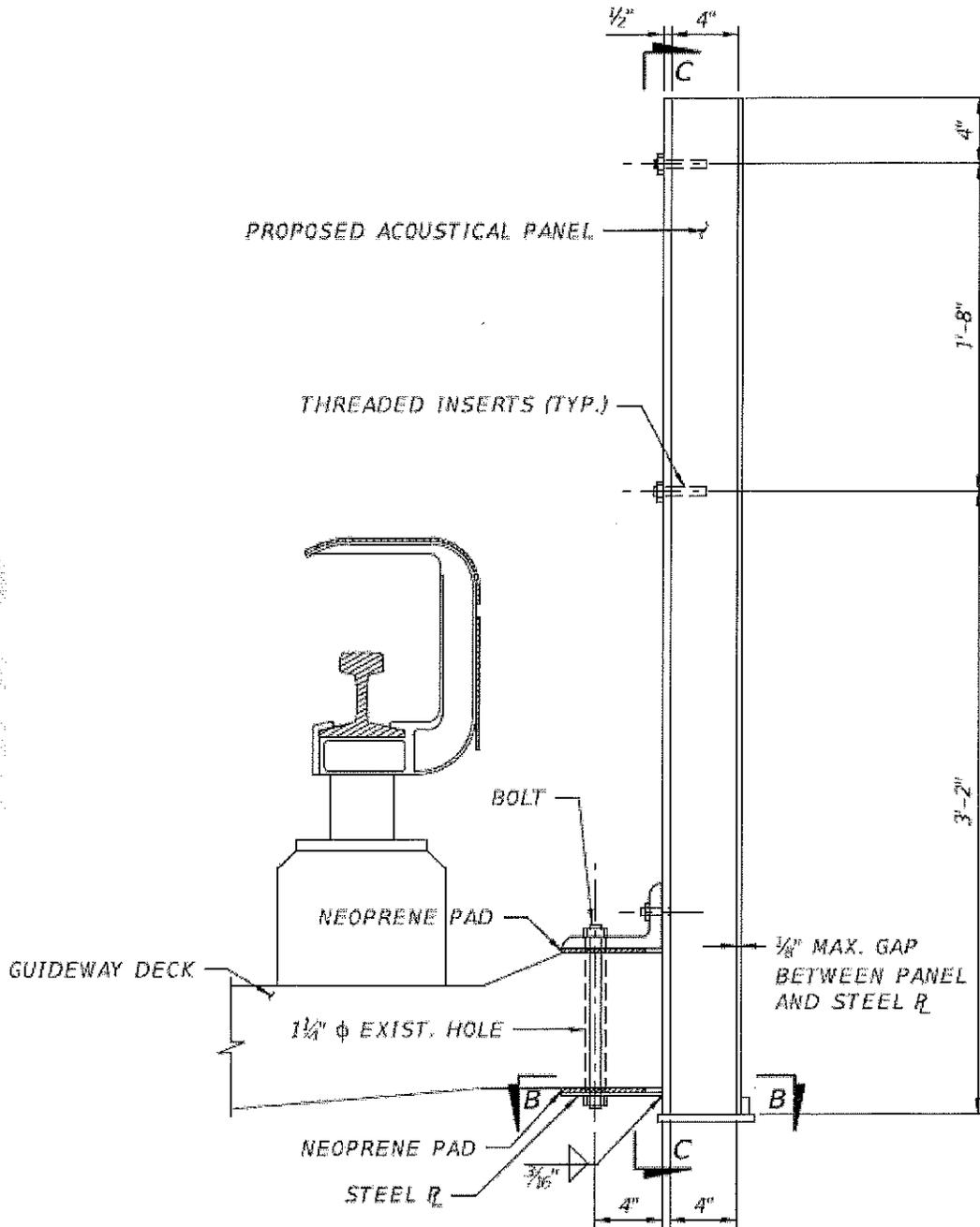
3.3 SUBMITTALS DURING EVALUATION

- A. **Drawings**: Show layout and details of acoustical panels, including vertical connection posts with all attachment hardware.
- B. **Design Calculations**: Provide design calculations attesting to the ability of the acoustical panel system to withstand the specified wind loads according to Miami-Dade Transit Design Criteria and the current Florida Building Code. Drawings and computations shall be signed and sealed by a Professional Engineer registered in the State of Florida.
- C. **Product Data**: Catalog data, certified test data and descriptions of acoustical panel with connection brackets and inserts. The manufacturer's data shall specify general maintenance requirements and repair methods acceptable for their product such as: patching, recoating, replacing, including a list of distributors for replacement parts and the cost.
- D. **Approval**: Acoustical panels will be approved only if the design and materials are determined to conform to these performance specifications. MDT reserves the right to request additional information and/or testing not specifically outlined in these criteria to assist in the evaluation of any acoustical panel component at no cost to the County.
- 3.3.1.a **Complete Assembly Samples**: Two full size acoustical panels with the corresponding vertical posts and attachment hardware shall be delivered and submitted to the County at the time of specific request at no cost to the County.
- 3.3.2.b **Color Samples**: The two full size complete assembly samples (refer to above 3.3.1.A) delivered and submitted to the County shall show the proposed color and finish of basic white (refer to section 3.2.c) at the time of specific request at no cost to the County.
- Note**: Failure to meet this requirement may result in your offer being rejected. Each individual sample shall be clearly labeled with the Bidder's name, bid number, bid title, manufacturer's name and brand name, and style number if applicable. If the Bidder fails to submit the samples, the County may not consider the Bidder's offer. All samples shall become the property of Miami-Dade County.
- 3.3.3.c **Impact Testing**: Impact testing shall be performed in accordance with Florida Building Code Testing Application Standard (TAS) 201-94 and shall be submitted at the time of specific request.
- Note**: The County reserves the right to perform its own testing procedures or to send any and all samples to a certifiable laboratory for analysis. Any costs for testing shall be borne by Bidder. On the basis of this testing and analysis, the County shall be sole judge of the acceptability of the sample in conformance with the bid specifications and its decision shall be final.
- 3.3.4.d **Quality Control Program**: A Quality Control Program consisting of appropriate documentation to be signed and dated by a representative of the contractor that demonstrates that quality control will be effectively monitored throughout production shall be submitted at the time of specific request.

Drawing 1 – Acoustical Panel Plan and Elevation:

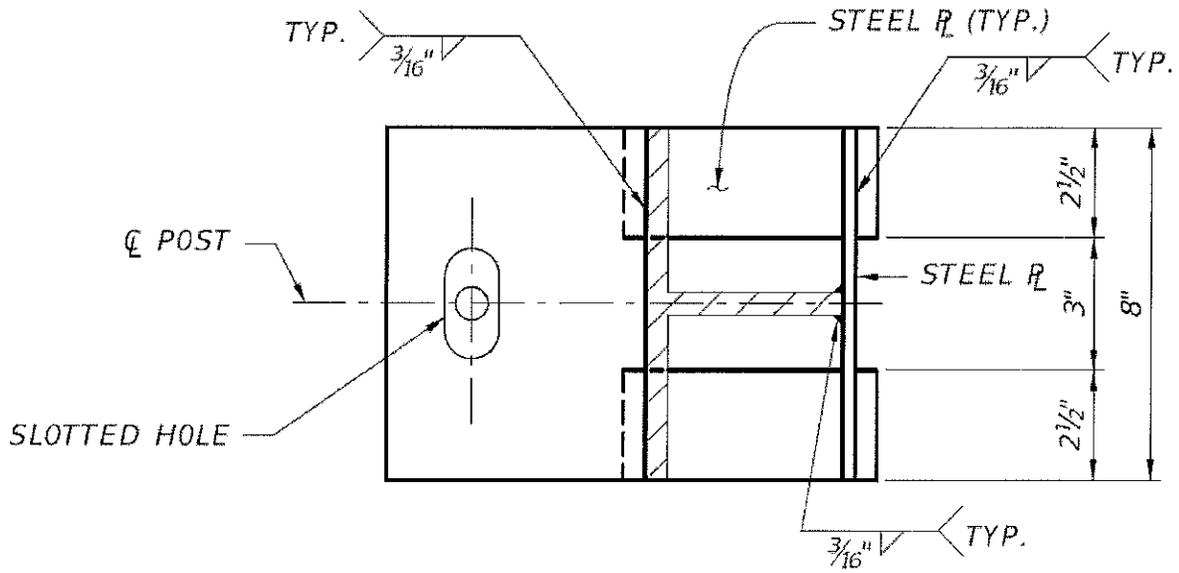


Drawing 2: Acoustical Panel Elevation - View A-A

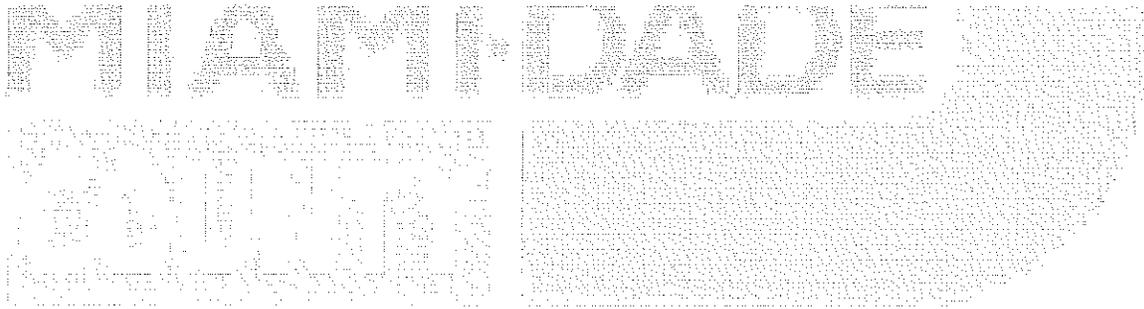


VIEW A-A

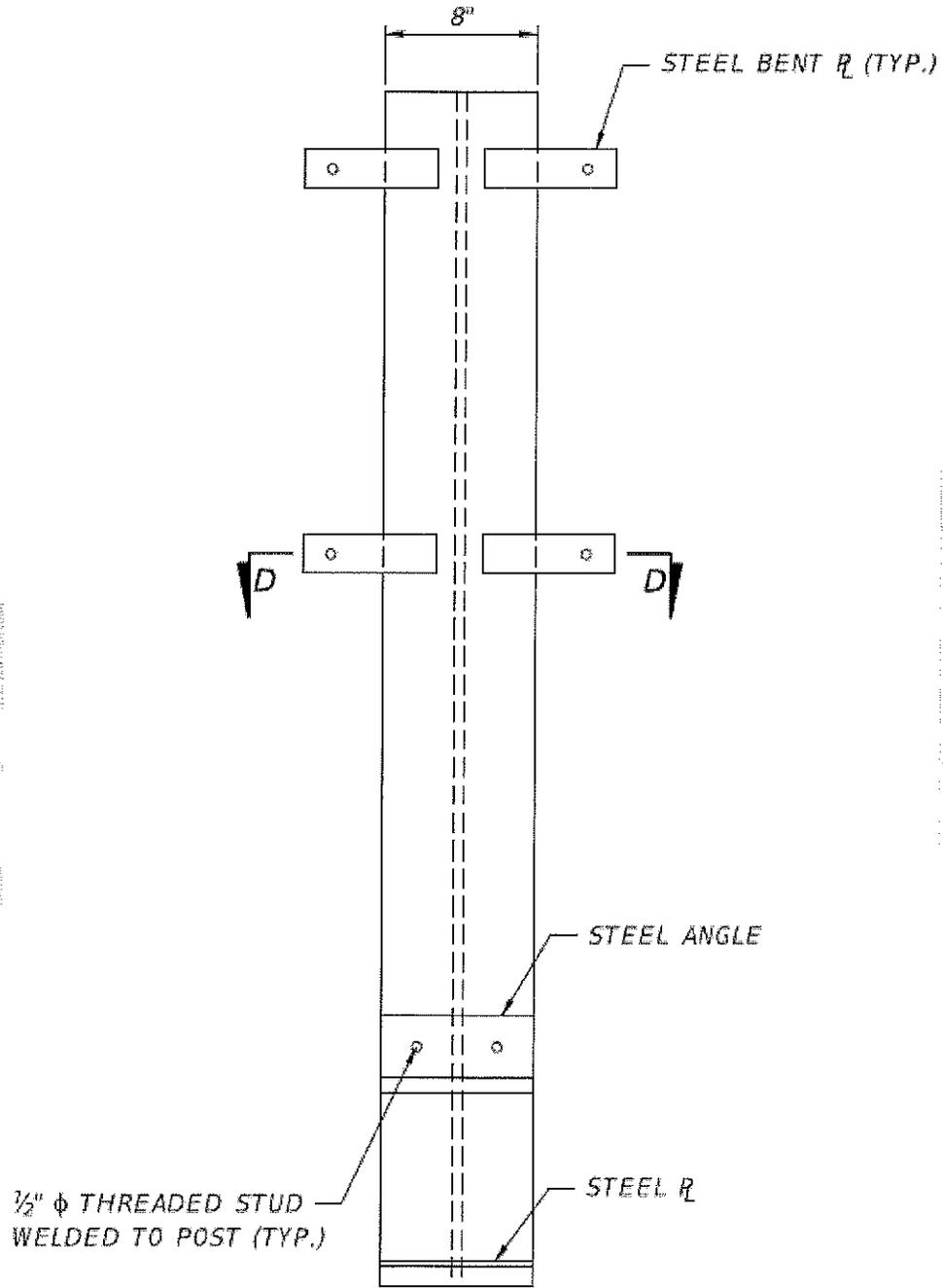
Drawing 3 – Section B-B:



SECTION B-B

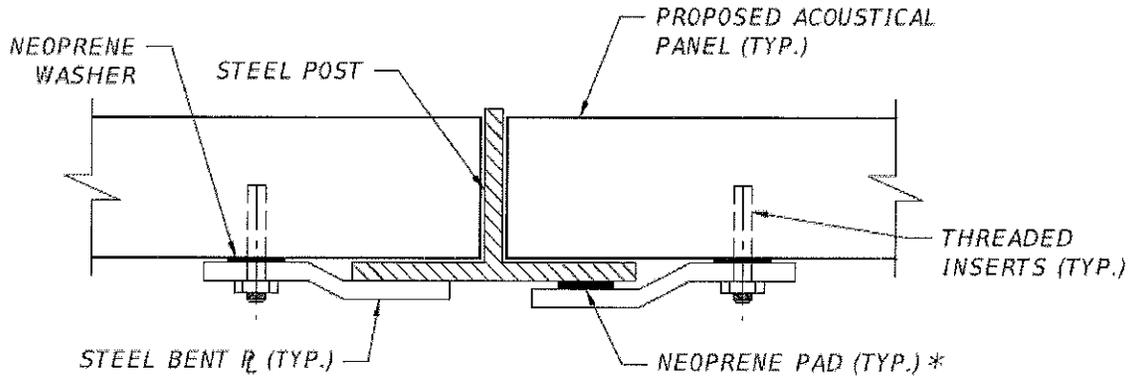


Drawing 4: Acoustical Panel Elevation - View C-C



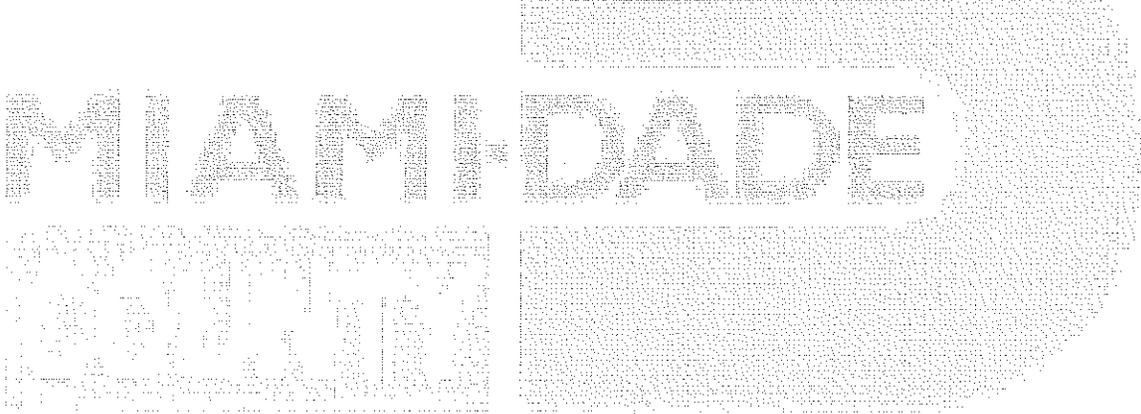
VIEW C-C

Drawing 5: Acoustical Panel Section D-D



SECTION D-D

* PROVIDE NEOPRENE PAD FOR PANELS SPANNING EXPANSION JOINTS ONLY.



**ACOUSTICAL PANELS, POSTS, BRACKETS AND ASSOCIATED HARDWARE
OFFER DETAILS**

FURNISH AND DELIVER IN ACCORDANCE WITH THE SOLICITATION'S TERMS,
CONDITIONS, SPECIFICATIONS AND DRAWING TO INCLUDE ALL POSTS, BRACKETS
AND ASSOCIATED HARDWARE:

ITEM	ESTIMATED QUANTITIES	DESCRIPTION	UNIT PRICE PER EACH PANEL
1	2600 Panels	Standard Panels As per Section 3, Technical Specifications	\$ _____

ITEM	ESTIMATED QUANTITIES	DESCRIPTION	UNIT PRICE PER LINEAR FEET
2	2000 Linear Feet	Panels for Special Applications As per Section 3, Technical Specifications	\$ _____