

2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 05/14/2015	4. REQUISITION/PURCHASE REQ. NO.	PROJECT NO. (If applicable)
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6. ISSUED BY NAVFAC MID ATLANTIC HAMPTON ROADS IPT 9742 MARYLAND AVENUE	Code N40085 Code	7. ADMINISTERED BY (If other than item 6.) Code
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO. N40085-15-R-0018
	<input checked="" type="checkbox"/>	9B. DATED (SEE ITEM 11) 04/03/2015
	<input type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
CODE		FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is corrected is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning 2 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)	
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13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14. ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATION CHANGES (such as changes in paying Office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER: (specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DESIGN-BID-BUILD SPECIAL PROJECT RM159-06, B260, NUCLEAR EQUIPMENT MAINTENANCE AND INSPECTION FACILITY, NAVAL SUPPORT ACTIVITY, NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VA

Email: RONALD.SMILEY2@NAVY.MIL Phone: 757-341-0836

See continuation page.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
15B. CONTRACTOR/OFFEROR (Same as Item 8)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)	

Continuation Sheet

This amendment is being issued to provide the following:

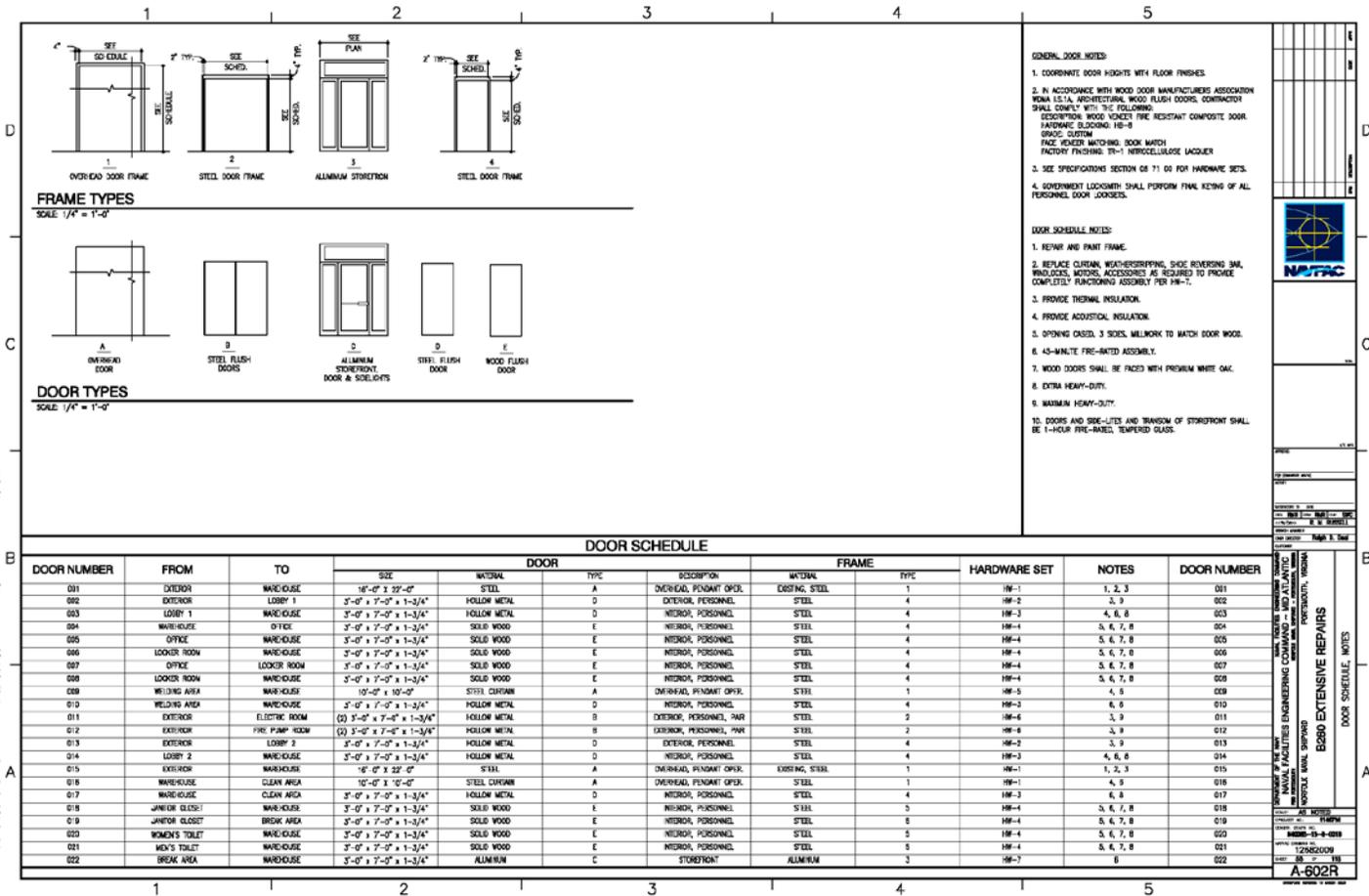
- Extend the proposal due date
 - Provide responses to RFIs
 - Hardware Sets; Specifications Section
 - Acoustical Ceilings
-

The proposal due date has been changed from 15 MAY 2015 to 22 MAY 2015 at 2:00 PM EDT

Responses to RFIs

1. The following questions below are answered with the revised Sheet A-602 labeled BLDG260-1146716-A-602r see below.

- The door schedule list 8 openings with a type 5 frame but no type frame is show in the "Frame Types" section above. Please clarify.
- The door schedule indicates that there are no frame types 1. I believe this is a mistake. Please verify that there are no frame type 1 required.
- The door schedule indicates that there are 2 frame types X. No frame type X is shown in the Frame Types located above the door schedule. Please Clarify.
- The entire Frame Type portion of the Door Schedule is inaccurate. There are pairs of 3070 doors shown in 3070 openings and single 3070 doors shown in 3060 openings. Please review the accuracy of the entire door schedule, make the necessary corrections and reissue the entire door schedule to help avoid any confusion.
- The door schedule indicates that door number 015 is required to have a 45 minute fire rating. This is an existing exterior door which appears to be an exact match to door 001 which has different requirements. I do not believe this is correct. Please verify that door 015 is required to have a 45 minute fire rating.
- The door schedule indicates that door number 001 is required to be repaired to a new condition or replaced. Insufficient information has been provided to allow for this item of work to be priced out in advance for this firm fixed price contract. Please provide information necessary to determine the cost of repairing or replacing the existing door.
- Base Note 2 (Located in the center of the page) references "Wall Section E, Detail A5/A-301. It appears that the referenced detail is not contained on this drawing. Please either provide the requested detail or tell me where I can find this information.



2. **Question:** New work note 4 directs the contractors to design the canopies over the exterior doors and to provide sealed structural calculations for government review and approval. This project is not advertised as a design/build project. Please confirm that the contractor is responsible for this aspect of the design.

Response: The sub-frame for both exterior personnel doors is shown in Details A3 and A4/S-306. Contractor shall provide the component design and connections to the provided structural support. Response date 5/7/2015 at 1511.

3. **Question:** Does this job have hardware sets? 8.71.00 is blank.

Response: Hardware sets will be separately provided. Response date 5/7/2015 at 1511.

4. **Question:** Please provide the specification for Division 06 Rough Carpentry. Rough Carpentry is needed and shown on drawings for blocking for Doors, Windows, Toilet Accessories, Toilet Partitions, and other.

Response: Rough Carpentry section I marked up 06 10 00. It is used for nailers, blocking, and preservation treatment.

5. **Question:** Please provide the specification for Division 07 Blanket Insulation as shown in various Wall and Ceiling Sections to cover acoustical, thermal, and mineral wool Blanket insulation.

Response: Insulation I marked up 07 21 16 for mineral fiber insulation.

6. **Question:** These questions are answered together since they are similar

- Is there any location that requires either a 15 minute thermal barrier or ignition barrier coating (other than drywall) by the spray foam applicator?

- The term “Ignition Barrier” is used in the specifications versus the term “Thermal Barrier” on sheet A-101 note #8. These are not the same thing per code and have different cost associated with them.
- Does the framing, drywall and insulation shown in details A1 & A3/A-202 meet the ignition barrier required in specification section 075713 paragraph 1.2, or are we to apply an ignition barrier to the spray foam insulation in addition to the barrier provided by the wall construction?

Response: New Work Keynotes 7-9 (Exterior Walls) and 12-13 (Underside of Roofs) on A-101 describe the use of Spray Polyurethane Foam (SPF) and reference the International Building Code (IBC) requirement for a thermal barrier (§2603.4). In the case of exterior walls in low bays (3 each) and at the end walls (North and South sides) of the high bay, the thermal barrier is gypsum wallboard (GWB) on metal framing. Details A1 & A3/A-202 on the drawings use the term “combustion barrier” to describe this construction. Please note that the drawing was not adjusted to match the specified thickness of the GWB. Specifications Section 09 29 00 GYPSUM BOARD indicates a correct thickness of 5/8”. Please DELETE 3/4” in the Keynote and INSERT 5/8” in its place.

7. **Question:** Please provide a specification for the Division 12 Vertical Window Blinds which are noted in the Room Finish Color Key on Sheet A-601. Are these blinds required at all exterior and interior window locations?

Response: Window Blinds I marked up 12 21 00.

8. **Question:** On the door schedule, the door frames are shown to be Hollow Metal Steel Frames. In addition Wood Frames are indicated on Detail C1/A-404. Are we to install a duplicate wood frame in addition to the hollow metal frame at all doors in composite Wall Section Type “B”? Will this modified assembly meet the requirements of a 45 minute fire rated assembly as required by the door schedule?

Response: I added an overhead coiling door section 08 33 23 to cover two existing (exterior) and two new (interior) doors of this type.

HARDWARE SETS; Specifications Section 08 71 00

HW-1 (Existing Coiling Door Openings 001 and 015) – See Specifications Section 08 33 23

- 1 Curtain, insulated Interlocking, roll-formed slats- insulated, powder coated finish
- 1 Set Wind locks
- 1 Set Weather stripping
- 1 Electric Motor UL Listed, as recommended by Manufacturer
- 2 Bottom Bar Slide Bolts
- 1 Cylinder Lock Electric operation with interlock switch
- 1 Release Device 120VAC with battery backup
- 1 Signaling Device Capable of audible and visual signaling during alarm closing cycle
- 1 Control Station Push-button operated with open, close, and stop controls

HW-2 (Exterior Personnel Doors 002 and 013)

- 1-1/2 Pair Hinges A51111
- 1 Closer C02081
- 1 Exit Device Von Duprin 99 TP
- 1 Kick Plate J102
- 1 Threshold J35100
- 1 Set Weather stripping R5B165

HW-3 (Interior Wood Doors 004, 005, 006, 007, 008, 018, 019, 020, 021)

1-1/2 Pair Hinges	A51111
1 Closer	C02081
1 Lockset (Entry)	F82G1
1 Lockset (Storeroom)	Doors 018 and 019 only
1 Floor Bumper	L02161
1 Kick Plate (Metal)	J102
1 Threshold	J35100 (none at door 019)

HW-4 (Interior Hollow Metal Doors 003, 010, 014, 017)

1-1/2 Pair Hinges	A51111
1 Closer (arm)	C02021
1 Lockset (Entry)	F82G1
1 Floor Bumper	L02161
1 Kick Plate	J102
1 Threshold	J3510

HW-5 (Interior, Overhead Coiling Doors 009, 016) – See Specifications Section 08 33 23

1 Curtain, insulated Interlocking, roll-formed slats- insulated, powder coated finish, in 1-hour, fire-rated walls	
1 Set Wind locks	
1 Set Weather stripping	
1 Electric Motor	UL Listed, as recommended by Manufacturer
2 Bottom Bar Slide Bolts	
1 Cylinder Lock	Electric operation with interlock switch
1 Release Device	120VAC with battery backup
1 Signaling Device	Capable of audible and visual signaling during alarm closing cycle
1 Control Station	Push-button operated with open, close, and stop controls

HW-6 (Exterior Pairs of Doors 011, 012)

1-1/2 Pair Hinges	A51111
1 Closer	C02081
1 Lockset	F86 (storeroom) Yale 5404
Outside – knob LF	Interior – lever handle
1 Floor Bumper	L02161
1 Kick Plate	J102
1 Threshold	J35100
1 Set Weather stripping	R5B165

HW-7 (Storefront Door 022)

1-1/2 Pair Hinges	A51111
1 Closer	C02081
1 Lockset	R84 (classroom)
1 Threshold	J35100

SECTION 09 51 00

ACOUSTICAL CEILINGS

08/10

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM A1008/A1008M (2013) Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardened

ASTM A641/A641M (2009a) Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire

ASTM A653/A653M (2013) Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

ASTM B633 (2013) Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel

ASTM C423 (2009a) Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method

ASTM C635/C635M (2013a) Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings

ASTM C636/C636M (2013) Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels

ASTM C834 (2010) Latex Sealants

ASTM E119 (2012a) Standard Test Methods for Fire Tests of Building Construction and Materials

ASTM E1264 (2008; E 2010) Acoustical Ceiling Products

ASTM E1414/E1414M (2011a) Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum

ASTM E1477 (1998a; R 2013) Luminous Reflectance Factor of Acoustical Materials by Use of Integrating-Sphere Reflectometers

ASTM E84 (2013a) Standard Test Method for Surface Burning Characteristics of Building Materials

UNDERWRITERS LABORATORIES (UL)

UL Fire Resistance (2012) Fire Resistance Directory

1.2 SYSTEM DESCRIPTION

Provide sound controlling units mechanically mounted on a ceiling suspension system for acoustical treatment. The unit size, texture, finish, and color must be as specified. The location and extent of acoustical treatment shall be as shown on the approved detail drawings. Submit drawings showing suspension system, method of anchoring and fastening, details, and reflected ceiling plan. Coordinate with paragraph RECLAMATION PROCEDURES for reclamation of mineral fiber acoustical ceiling panels to be removed from the job site.

1.2.1 Fire Resistive Ceilings

Rate acoustical ceiling systems, indicated as fire resistant, for fire endurance as specified when tested in accordance with ASTM E119. Test suspended ceiling with a specimen roof assembly representative of the indicated construction, including mechanical and electrical work within ceiling space openings for light fixtures, and air outlets, and access panels. Provide ceiling assembly rating for 1 hour exposed grid system as shown on drawings. Provide acoustical units with a flame spread of 25 or less and smoke development of 50 or less when tested in accordance with ASTM E84.

1.2.2 Ceiling Attenuation Class and Test

Provide a ceiling system with an attenuation class (CAC) of 40 - 44 when determined in accordance with ASTM E1414/E1414M. Provide fixture attenuators over light fixtures and other ceiling penetrations, and provide acoustical blanket insulation adjacent to partitions, as required to achieve the specified CAC. Provide test ceiling continuous at the partition and assembled in the suspension system in the same manner that the ceiling will be installed on the project.

1.2.3 Ceiling Sound Absorption

Determine the Noise Reduction Coefficient (NRC) in accordance with ASTM C423 Test Method.

1.2.4 Light Reflectance

Determine light reflectance factor in accordance with ASTM E1477 Test Method.

1.2.5 Other Submittals: Requirements The following shall be submitted:

- a. Manufacturer's data indicating percentage of recycle material in acoustic ceiling tiles to verify affirmative procurement compliance.
- b. Total weight and volume quantities of acoustic ceiling tiles with recycle material.
- c. Manufacturer's catalog showing UL classification of fire-rated ceilings giving materials, construction details, types of floor and roof constructions to be protected, and UL design number and fire protection time rating for each required floor or roof construction and acoustic ceiling assembly.
- d. Reports by an independent testing laboratory attesting that acoustical ceiling systems meet specified fire endurance requirements. Data attesting to conformance of the proposed system to Underwriters Laboratories requirements for the fire endurance rating listed in UL Fire Resistance may be submitted in lieu of test reports.
- e. Certificate attesting that the mineral based acoustical units furnished for the project contain recycled material and showing an estimated percent of such material.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

- SD-02 Shop Drawings
Approved Detail Drawings

- SD-03 Product Data
Acoustical Ceiling Systems
- SD-04 Samples
Acoustical Units Acoustic Ceiling Tiles
- SD-06 Test Reports
Fire Resistive Ceilings
Ceiling Attenuation Class and Test
- SD-07 Certificates
Acoustical Units
Acoustic Ceiling Tiles

1.4 DELIVERY, STORAGE. AND HANDLING

Deliver materials to the site in the manufacturer's original unopened containers with brand name and type clearly marked. Carefully handle and store materials in dry, watertight enclosures. Immediately before installation, store acoustical units for not less than 24 hours at the same temperature and relative humidity as the space where they will be installed in order to assure proper temperature and moisture acclimation.

1.5 ENVIRONMENTAL REQUIREMENTS

Maintain a uniform temperature of not less than 60 degrees F nor more than 85 degrees F and a relative humidity of not more than 70 percent for 24 hours before, during, and 24 hours after installation of acoustical units.

1.6 SCHEDULING

Complete and dry interior finish work such as plastering, concrete and terrazzo work before ceiling installation. Complete mechanical, electrical, and other work above the ceiling line; install and start operating heating, ventilating, and air conditioning systems in order to maintain temperature and humidity requirements.

1.7 WARRANTY

Provide manufacturer's standard performance guarantees or warranties that extend beyond a one year period. Include an agreement to repair or replace acoustical panels that fail within the warranty period in the standard performance guarantee or warranty. Failures include, but are not limited to, sagging and warping of panels; rusting and manufacturers defects of grid system.

1.8 EXTRA MATERIALS

Furnish spare tiles, from the same lot as those installed, of each color at the rate of 5 tiles for each 1000 tiles installed.

PART 2 PRODUCTS

2.1 ACOUSTICAL UNITS

Comply with EPA requirements in accordance with Section 01 62 35 RECYCLED/RECOVERED/BIOBASED MATERIALS. Submit two samples of each type of acoustical unit and each type of suspension grid tee section showing texture, finish, and color. Conform acoustical units to ASTM E1264, Class A, and the following requirements:

2.1.1 Units for Exposed-Grid System

2.1.1.1 Type

III (non-asbestos mineral fiber with painted finish) or IV (non-asbestos mineral fiber with membrane-faced overlay)

2.1.1.2 Flame

Spread Class A, 25 or less

2.1.1.3 Pattern

D

2.1.1.4 Minimum NRC

0.70 minimum

2.1.1.5 Minimum Light Reflectance

Coefficient LR-1, 0.75 or greater

2.1.1.6 Nominal Size

24 x 24 inch

2.1.1.7 Edge

Detail Square

2.1.1.8 Finish

Factory-applied standard finish.

2.1.1.9 Minimum

CAC 40

2.2 SUSPENSION SYSTEM

Provide fire-resistive standard width flange suspension system conforming to ASTM C635/C635M for heavy-duty systems. Provide surfaces exposed to view of steel with a factory-applied white baked-enamel finish. Provide wall molding having a flange of not less than 15/16 inch. Provide inside and outside corner caps. Suspended ceiling framing system must have the capability to support the finished ceiling, light fixtures, air diffusers, and accessories, as shown. Provide a suspension system with a maximum deflection of 1/360 of the span length.

2.3 HANGERS

Provide hangers and attachment capable of supporting a minimum 300 pound ultimate vertical load without failure of supporting material or attachment.

2.3.1 Wires

Conform wires to ASTM A641/A641M, Class 1, 0.08 inch (12 gauge) in diameter. in diameter.]

2.3.2 Straps

Provide straps of 1 by 3/16 inch galvanized steel conforming to ASTM A653/A653M, with a light commercial zinc coating or ASTM A1008/A1008M with an electrodeposited zinc coating conforming to ASTM B633, Type RS.

2.4 FINISHES

Use manufacturer's standard textures, patterns and finishes as specified for acoustical units and suspension system members. Treat ceiling suspension system components to inhibit corrosion.

2.5 COLORS AND PATTERNS

Use colors and patterns for acoustical units and suspension system components.

2.6 ACOUSTICAL SEALANT

Conform acoustical sealant to ASTM C834, non-staining.

PART 3 EXECUTION

3.1 INSTALLATION

Examine surfaces to receive directly attached acoustical units for unevenness, irregularities, and dampness that would affect quality and execution of the work. Rid areas, where acoustical units will be cemented, of oils, form residue, or other materials that reduce bonding capabilities of the adhesive. Complete and dry interior finish work such as plastering, concrete, and terrazzo work before installation. Complete and approve mechanical, electrical, and other work above the ceiling line prior to the start of acoustical ceiling installation. Provide acoustical work complete with necessary fastenings, clips, and other accessories required for a complete installation. Do not expose mechanical fastenings in the finished work. Lay out hangers for each individual room or space. Provide hangers to support framing around beams, ducts, columns, grilles, and other penetrations through ceilings. Keep main runners and carrying channels clear of abutting walls and partitions. Provide at least two main runners for each ceiling span. Wherever required to bypass an object with the hanger wires, install a subsuspension system so that all hanger wires will be plumb.

3.1.1 Suspension System

Install suspension system in accordance with ASTM C636/C636M and as specified herein. Do not suspend hanger wires or other loads from underside of steel decking.

3.1.1.1 Plumb Hangers

Install hangers plumb and not pressing against insulation covering ducts and pipes. Where lighting fixtures are supported from the suspended ceiling system, provide hangers at a minimum of four hangers per fixture and located not more than 6 inch from each corner of each fixture.

3.1.1.2 Splayed Hangers

Where hangers must be splayed (sloped or slanted) around obstructions, offset the resulting horizontal force by bracing, counters playing, or other acceptable means.

3.1.2 Wall Molding

Provide wall molding where ceilings abut vertical surfaces. Miter corners where wall moldings intersect or install corner caps. Secure wall molding not more than 3 inch from ends of each length and not more than 16 inch on centers between end fastenings. Provide wall molding springs at each acoustical unit in semi-exposed or concealed systems.

3.1.3 Acoustical Units

Install acoustical units in accordance with the approved installation instructions of the manufacturer. Ensure that edges of acoustical units are in close contact with metal supports, with each other, and in true alignment. Arrange acoustical units so that units less than one-half width

IMPORTANT

EACH OFFEROR SHALL REFER IN THEIR PROPOSAL TO ALL AMENDMENTS TO THE SOLICITATION; FAILURE TO DO SO MAY BE CAUSE FOR REJECTION OF THE PROPOSAL.