

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
	1		9

2. AMENDMENT/MODIFICATION NO Amendment 04	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REF. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA Lyndon B. Johnson Space Center Institutional Procurement Office Houston, TX 77058	CODE BJ	7. ADMINISTERED BY (If other than Item 6) Elijah J. Williams, Contract Specialist PH: 281.244.1638 Fax: 281.483.9741 Email: elijah.j.williams@nasa.gov	
		CODE	BJ3

8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP: Code) To All Offerors	(✓)	9A. AMENDMENT OF SOLICITATION NO. NNJ06161357R
	X	9B. DATED (SEE ITEM 11) 10/06/06
		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 extended, 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 one (1) copy 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 DATA 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 data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓)	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.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	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.)

See Page 2.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Carrie L. Mulholland, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 11/21/06
(Signature of person authorized to sign)			

The purpose of this amendment is to:

1. Respond to questions submitted by industry regarding Solicitation NNJ06161357R.

All other terms and conditions remain unchanged.

QUESTIONS AND RESPONSES

QUESTIONS AND RESPONSES (#31 – #44)
Refurbishment of Building 2 North and Roof Replacement
of Building 2 North and 2 South

RFP # NNJ06161357R

- Question 31:** Drawing E-2N-01 Key Note (2) - Provide one 3' LED strip. Please describe what this is, with a suggested manufacturer and catalog number.
- Response 31:** A 3' LED strip is to be provided in order to give back light to the television display. Refer to details 10, 14, and 15 on sheet A-2N-19 for more detail. A product similar to fixture C by Novalux is acceptable.
- Question 32:** Drawing E-2N-01 Key Note (3) - Please provide a catalog and support detail for the 2' pipe batons with dedicated circuit and detail of the four category six cable connections to the batons.
- Response 32:** Refer to the attached sketches #1 & #2 for more detail on the batons. The batons are intended to support the stage lighting fixtures that will be provided with c-clamps. A 2" black schedule 40 pipe is acceptable. The quad outlet and data outlet boxes shall both be 2-gang bell boxes.
- Question 33:** Drawing E-2N-01 Room 124. Is that two 4' fixtures type A I B or one 8' typical?
- Response 33:** One 8' fixture is acceptable.
- Question 34:** Drawing E-2N-02 and 03. What is required for the data outlets and telephone outlets in the way of conduit?
- Response 34:** E-2N-02: For all wall mounted data & telephone outlets provide a flush single gang back box with a 3/4" conduit with pull string to below raised floor. E-2N-03: No conduit required for floor mounted data & telephone outlets.
- Question 35:** Drawing E-2N-03 Symbol Legend. Please provide manufacturer and catalog number for the following:
- A. PDM1
 - B. [1]
 - C. [2]
 - D. [4]
- Response 35:** Products shown on drawings are from manufacturer Communications Integrators Incorporated (CII) out of Mesa, AZ or equal.
- A: Master Power Distribution Module
- B: Standard Capacity, Standard Floor Height PVD Service Center. Contractor shall provide with 1 receptacle. Data and A/V devices will be installed by the Government.

C: Standard Capacity, Standard Floor Height PVD Service Center. Contractor shall provide with 2 receptacles. Data devices will be installed by the Government.

D: High Capacity, Standard Floor Height PVD Service Center. Contractor shall provide with 4 receptacles. Video and other devices will be installed by the Government.

Question 36: Drawing E-2N-06 Problems. Lighting control panel LCD does not include a schedule. Please provide a complete design and bill of material.

Response 36: The lighting control panel (LCP) shown on the riser diagram does not need a schedule because it is the brains of the lighting control system. The panel is not required for a Leviton system because all lighting controls are contained integrally to the Z-Max lighting relay panels LRP1 and LRP2.

Question 37: Drawing E-2N-10 Detail 1. Please provide a manufacturer and catalog number for the following:

- A. Raised access floor box
- B. Extender cable
- C. Zone distribution box

Response 37: For #37A refer to response for question #35B, 35C & 35D. For #37B extender cables are the cables that go with this system and shall be provided in required lengths. For #37C refer to response for question #35A.

Question 38: Drawing E-2N-1 I Detail 01. What does this detail mean and what rooms will this apply to?

Response 38: This detail shows the typical devices and wiring for the lighting control system.

Question 39: Building 2S, Section 01019.

Project Description calls out removal of existing roofing system, insulation board, patching existing lightweight, new insulation installation and new roof. The prints page A-02-02 roofing system description calls for new roof to be granulated cap sheet over mod bit with 1/4" dens deck mopped to the lightweight. These are 2 different requirements. Neither meets FM 1-135 as called out in the specifications.

What does the government want? Are FM 1-135 requirements waived?

Response 39: The description in section 01019 is general. Sections 09220, 07509, and 07590 states exactly what to do, along with the drawings. We want the roof components to meet FM 1-135, not the entire assembly.

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Question 40: Building 2N, Section 01019.

Project description calls for the removal of existing roof and lightweight insulating fill, installation of new insulating fill, installation of new roof system. Section 07220 2.2 calls this new insulating fill out as NVS roof insulation system (lightweight). The roofing system description on plans page A-02-02 calls for the new system to be built up insulation with cover board fastened to the metal deck. These are conflicting requirements, neither of which meet the FM 1-135 criteria called out in the specifications

What does the government want? Are FM 1-135 requirements waived?

Response 40: Insulating fill and NVS system are the same. The drawings show two different systems, one for 2-North and one for 2-South. We want the roof components to meet FM 1-135, not the entire assembly.

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Question 41: Section 1220 1-10 Clean Up and Disposal of Materials.

Separate bins are called for gravel and separate bin for roofing felts. We can power broom the loose gravel from the roof for removal, however the remainder of the gravel is embedded in asphalt into the roofing plys.

Is it the intent of the government for the contractor to spud the existing embedded gravel from the roofing felts prior to removal? (This will double the price of roof demolition)

Response 41: The intent of Section 01220 is to re-cycle both the aggregate and roofing to minimize the impact on landfills. If a recycling center will accept the roof plies with embedded aggregate, then leaving some aggregate on the plies is acceptable. Otherwise the aggregate shall be removed.

Question 42: Plan Page A-02-02.

Calls 2S roof as 1/4" dens deck mopped to lightweight (existing) concrete. Spec section 07220 2.1.1 call for EPS insulation, 2.1.2 calls for cover board (Dens Deck) on top of EPS insulation. These are different requirements.

Which does the government want?

If EPS, won't Dens Deck on top crush the EPS?

If using existing lightweight with only a Dens Deck on top, is the existing slope sufficient?

If slope is sufficient, wouldn't a base sheet be required between the Dens Deck and lightweight?

Response 42: There are errors on the ROOFING SYSTEM DESCRIPTION on the Roof Plan A-02-02. They should read as follows:

ROOFING SYSTEM DESCRIPTION

NEW WORK @ SECTION 2N ROOF:

Granulated capsheet with a modified bitumen roofing system over sloped lightweight insulating concrete system over the existing/repaired metal deck. Refer to Specifications.

NEW WORK @ SECTION 2N ROOF (CRICKETS):

Granulated capsheet with a modified bitumen roofing system over sloped lightweight insulating concrete system over the existing/repaired metal deck. Refer to Specifications.

NEW WORK @ SECTION 2S ROOF:

Granulated capsheet with a modified bitumen roofing system over ¼" recovery board over EPS insulation over the existing/repaired lightweight concrete fill. Refer to Specifications.

Question 43: Plan Page A-02-02.

Calls for tapered insulation with cover board fastened to metal deck. Specifications call for NVS lightweight?

Which is it?

If lightweight is requirement, wouldn't all slope be in the new lightweight and insulation not needed?

Response 43: Refer to the changes noted in the response to Question #12 above, the system on 2 North is a tapered NVS (or equal) system.

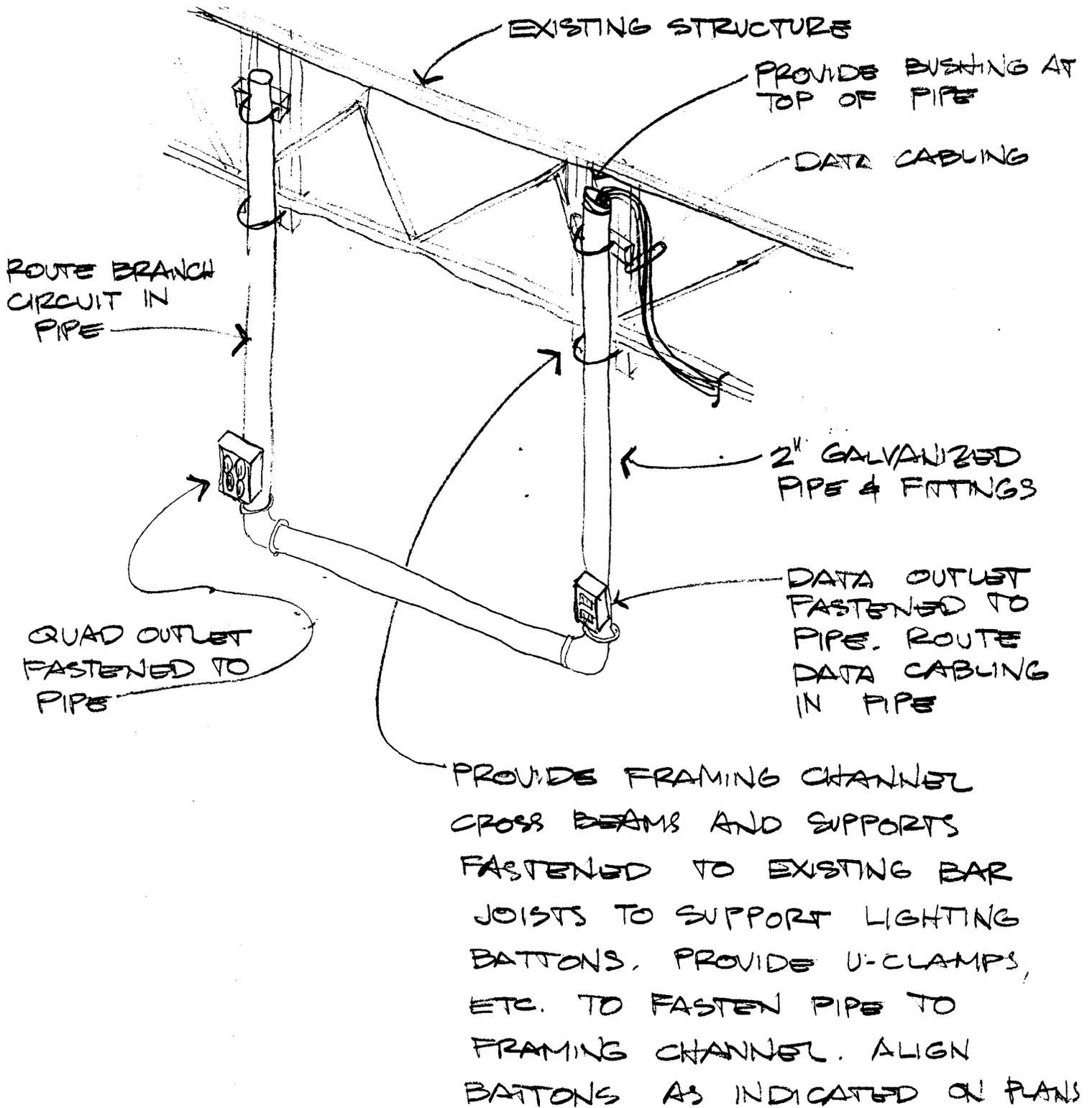
Question 44: Spec Section 07590 Part 2.2.4.

Calls for temporary roofing materials with design and materials left to the contractor.

Where does temporary roofing apply 2N, 2S, or both? (Neither is called out in prints for spec)

Does the AE and NASA acknowledge the Lightweight over temporary roofing does not meet FM 1-135?

Response 44: The temporary roof system is only required on 2 South because the building will be occupied. There is no lightweight over the temporary roof, only rigid insulation, recovery board, and roofing.



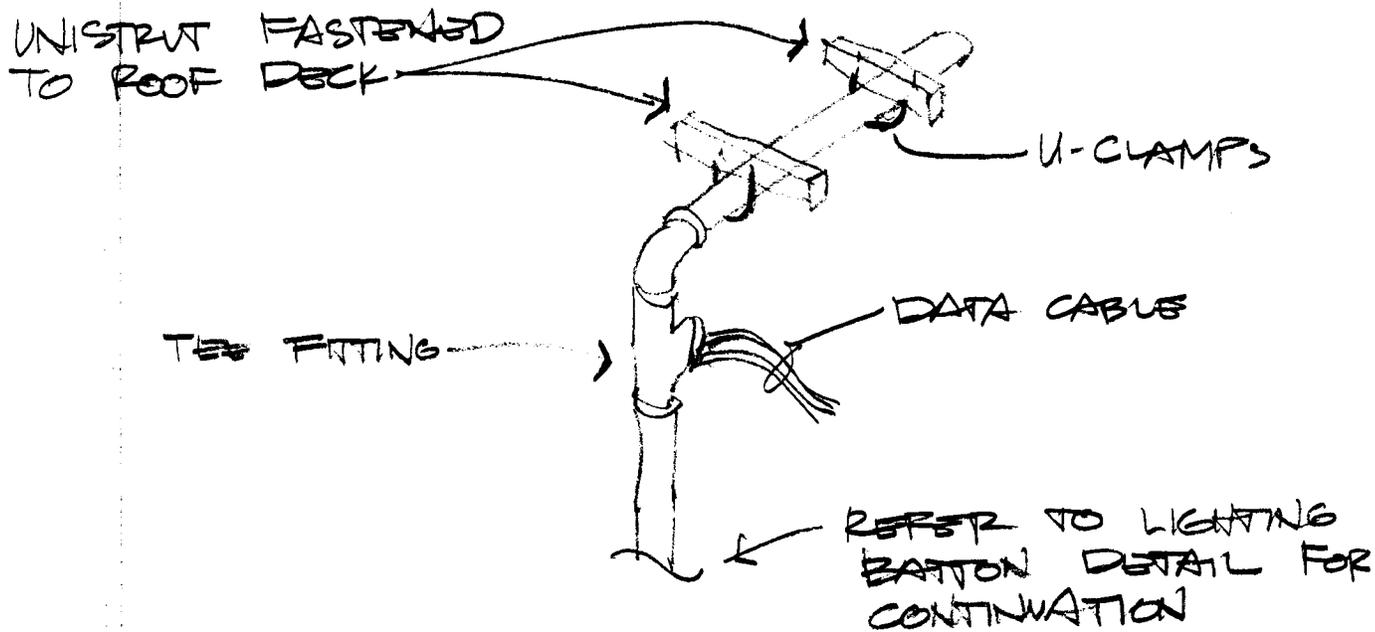
LIGHTING BATTONS DETAIL

NO SCALE

Amendment #4

Question #32 Response

SKETCH #1



ALTERNATE FASTENING METHOD

Amendment #4
Question #32 Response
SKETCH #2