

SECTION I

Instructions to Offerors -- Amendment of Solicitation. The following instructions apply unless specified otherwise in an AAFES letter accompanying this amendment.

a. Offerors must acknowledge receipt of this amendment prior to the hour and date specified for receipt of proposals in the original solicitation, or the hour and date specified in this amendment if such has been amended. Offeror must acknowledge by one of the following means:

- (1) By signing and returning all except one copy of this amendment.
- (2) By acknowledging receipt of this amendment on each copy of the proposal submitted;
- (3) By separate letter or telegram which includes a reference to the solicitation and amendment number.

b. Proposals must be based upon and refer to the solicitation as amended. Unless an acknowledgment of this amendment is received by the contracting officer before the hour and date specified for receipt of proposals, offeror's proposal may be considered nonresponsive.

c. If you desire to revise a proposal previously submitted, such revision must be received prior to the hour and date specified for receipt of proposals enclosed in a sealed envelope addressed to the issuing office, with the name and address of the offeror and the solicitation number on the face of the envelope. Telegraphic proposals will not be considered unless authorized by the solicitation; however, proposals may be modified by telegraphic notice provided such notice is received prior to the time set for receipt of proposals. Telegraphic modifications should not reveal the amount of the original or of the revised proposal.

SECTION II

Instructions to Contractor -- Amendment of Contract.

Unless otherwise instructed, all except one copy of this amendment are to be executed by the person authorized to bind the firm contractually and returned to the contracting officer. The effective date will be the date the amendment is signed in block 6 by the contracting officer or the date(s) indicated in block 4, whichever is later.

**Amendment #1
Fort Bliss, Texas
PN: 3770-05-000016**

1. This question pertains to Landscaping. This scope encompasses areas in Phase 1 and Phase 2. Is it expected that all Landscaping be done in Phase 1 ? or do the phase demarcation lines apply or do not apply to Landscaping? Please Clarify.

Response: The landscaping work will be required in phase 1 and phase 2.

2. On drawing A-4-02 detail 2 Shows a Powered Roll Up "Grill Door" – There is no specification provided.

Response: Refer to new specification section 08 33 26 OVERHEAD COILING GRILLS.

3. Can we use blast resistant storefront manufactured by YKK, the framing is 2 ½" x 5" in lieu of curtain wall.

Response: The details of the curtainwall interface will the wall construction depend on the deeper section, therefore the 5" framing is not acceptable.

4. On drawing L-1.0 Landscape plan, in the mass planting beds is there a gravel color?

Response: Refer to General Notes on sheet L1.0.

5. On drawing L-2.0 boulders are indicated but no color or size, and there are 58+/- . Can you please indicate the size.

Response: Refer to drawing L-1.0, General Notes and add the following note 7:

"7. Boulders

Type

Sandstone native to area

Size

Large Size, 3'x4'x18"-24"(Quantity: 1/3 of overall total)

Medium Size, 2'x3'x12"-18" (Quantity: 1/3 of overall total)

Small Size, 1'x2'x10"-12" (Quantity: 1/3 of overall total)

Boulders to be placed by the contractor as indicated on the landscape plan. When grouped, the boulders shall not be composed of entirely small boulders. The contractor is to install the boulders as indicated in the landscape details."

6. Install EXCHANGE furnished toilet accessories. Is there a list of Exchange provided accessories?

Response: Refer to the Toilet Accessory Schedule shown on Sheet A4.20. The Exchange furnished accessories are indicated as AF/CI.

7. Drawing GE1.0 Canopy Electrical Plan calls for LSI CRO-S-LED-100-CW, which are no longer available from the manufacturer. The CRO-S series deck lights have been replaced with the new CRS-SC series. Can we use the new CRS-SC-LED-64-HO (HIGH OUTPUT) 155 watt fixtures with the Focus spots? The CRS-SC-LED-84 HO @ 147 watts would work better and give 974

more Lumens. The closest thing to 100 watts (per spec sheet) is the CRS-SC-LED-84-SS-CW-UE @ 97 watts.

Response: Refer to the drawing E1.01, LIGHTING FIXTURE SCHEDULE and delete fixture types CA and CB. Refer to drawing GE1.0, CANOPY ELECTRICAL PLAN and where light fixture C1 is scheduled provide LSI CRO3 S LED 104-450 CW UE WHT in lieu of the LSI CRO-S-LED-100-CW scheduled.

Where light fixture C2 is scheduled provide LSI CRO3 A LED 64-350 CW UE WHT in lieu of the LSI CRO-FO-LED-30-CW scheduled

8. Do the sun shade devices come factory finished or are they finished in the field?

Response: Refer to specification section 10 70 00 Exterior Sun Control Devices. The finish requirement is shown in paragraph 2.05, A.

9. The Arby's Décor Wallcovering – Is it owner supplied and installed by the GC, or does Arby's supply and install?

Response: The finishes are supplied installed by the General Contractor unless specifically stated otherwise in the contract documents.

10. Specification Division 22 – Plumbing.

Response: The submitted documentation compared to the requirements of the plans and specifications the products manufactured by JAY R. Smith Manufacturing, Sloan Fixtures, Plumber-EX, Terrazzo-Ware and Mustee meet the minimum criteria, the substitution is approved. Substitution approval does not relinquish the supplier from making a formal product submittal during the submittal period.

11. TVSS Surge Suppression, Inc. cut sheet, installation information, & warranty. If you could please review this information and get back to me I would greatly appreciate it.

Response: Reviewing the submitted documentation compared to the requirements of the plans and specifications it is not apparent the product manufactured by Surge Suppression Incorporated meets the minimum criteria. In order to allow this product to be an approved manufacturer, the documentation provided for review MUST be representative of the minimum criteria stated in the contract documents. The information provided does not provide the information the specifications list as minimum criteria. Therefore the product cannot be judged as capable of providing the characteristics nor the necessary capabilities described for this project, substitution not approved.

12. On the Solicitation Letter, The construction period will be 240 calendar days, (which equates to 8 months), but on the drawings a note states that the total duration of the project Phase 1 plus Phase 2 is 12 months, or 365 days. Can you please clarify the duration for this project?

Response: The information contained in the Solicitation Letter is correct.

13. On personnel – for Army Corp projects staffing requirement typically include a fulltime SSHO, Site Safety Health Officer, is that a requirement here?

Response: Refer to specification section 01 10 60 Safety Policies and Procedures. The Site Safety Health Officer requirement is shown in paragraph 1.3, A., 1.

14. Submittals for prior approval on the lighting control, section 26 09 34; see attached.

Response: Leviton meets the minimum criteria compared to the requirements of the plans and specifications, substitution approved.

15. Approval request for Kwal Paint to be an acceptable supplier; see attached.

Response: Refer to specification section 00 40 00. Kwal Paint is an acceptable manufacturer and has submitted a substitution request according to paragraph 1.1, B.

16. Refer to Specification Section 13 04 80, Part 1.3.E, Part 2.2.A., Part 2.3.A, and Part 3.1.A all require an AISC certified fabricator. Can that requirement be waived if the fabricator builds to AISC standards but does not have the certification?

Response: Comply with the specification, requirement is not waived.

17. Refer to Specification Section 13 04 80, Part 2.4.A states, "Kynar Aluminum Composite Material Panels shall be provided with a 4mm thick pre-finished aluminum composite material substrate." Based upon previous installations, will AAFES accept a 3mm substrate?

Response: Comply with the specification, requirement is not waived.

18. Waterproofing at back of Aluminum Composite Panel System: Specification Section 07 42 00 Alum Comp Panel Sys, paragraph 3.1 E states "...waterproofing shall be completed on all frame and masonry surfaces..." Metal Panel details on Sheet A-3.15 call for "... peel and stick membrane attached to plywood ..." This peel and stick waterproofing membrane is not specified. Please provide information what material is required.

Add Paragraph "2.5. SELF-ADHERING SHEET AIR BARRIER

A. Modified Bituminous Sheet: 40-mil- (1.0-mm-) thick, self-adhering sheet consisting of 36 mils (0.9 mm) of rubberized asphalt laminated to a 4-mil- (0.1-mm-) thick, cross-laminated polyethylene film with release liner on adhesive side[and formulated for application with primer that complies with VOC limits of authorities having jurisdiction].

1. Products: Subject to compliance with requirements, provide one of the following :
 - a. Carlisle Coatings & Waterproofing Inc.; CCW-705.
 - b. Grace, W. R. & Co. - Conn.; Perm-A-Barrier Wall Membrane.
 - c. Meadows, W. R., Inc.; SealTight Air-Shield.
 - d. Tremco Incorporated, an RPM company; ExoAir 110/110LT.

Add Paragraph "3.1.1 SELF-ADHERING SHEET AIR BARRIER INSTALLATION

- A. General: Install modified bituminous sheets and accessory materials according to air-barrier manufacturer's written instructions and according to recommendations in ASTM D 6135.
1. When ambient and substrate temperatures range between 25 and 40 deg F (minus 4 and plus 5 deg C), install self-adhering, modified bituminous air-barrier sheet produced for low-temperature application. Do not install low-temperature sheet if ambient or substrate temperature is higher than 60 deg F (16 deg C).

- B. Apply primer to substrates at required rate and allow it to dry. Limit priming to areas that will be covered by air-barrier sheet on same day. Reprime areas exposed for more than 24 hours.
- C. Apply and firmly adhere modified bituminous sheets horizontally over area to receive air barrier. Accurately align sheets and maintain uniform 2-1/2-inch- (64-mm-) minimum lap widths and end laps. Overlap and seal seams, and stagger end laps to ensure airtight installation.
1. Apply sheets in a shingled manner to shed water without interception by any exposed sheet edges.
 2. Roll sheets firmly to enhance adhesion to substrate.
- D. Seal exposed edges of sheet at seams, cuts, penetrations, and terminations not concealed by metal counterflashings or ending in reglets with termination mastic.
- E. Install air-barrier sheet and accessory materials to form a seal with adjacent construction and to maintain a continuous air barrier.
- F. Wall Openings: Prime concealed perimeter frame surfaces of windows, curtain walls, storefronts, and doors. Apply transitions and flashing so that a minimum of 3 inches (75 mm) of coverage is achieved over each substrate. Maintain 3 inches (75 mm) of full contact over firm bearing to perimeter frames with not less than 1 inch (25 mm) of full contact.
- G. Fill gaps in perimeter frame surfaces of windows, curtain walls, storefronts, doors, and miscellaneous penetrations of air-barrier membrane with foam sealant.
- H. At end of each working day, seal top edge of air-barrier material to substrate with termination mastic.
- I. Repair punctures, voids, and deficient lapped seams in air barrier. Slit and flatten fishmouths and blisters. Patch with air-barrier sheet extending 6 inches (150 mm) beyond repaired areas in all directions.
- J. Correct deficiencies in or remove air barrier that does not comply with requirements; repair substrates and reapply air-barrier components.”

SECTION 083326
OVERHEAD COILING GRILLES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes open-curtain overhead coiling grilles.
- B. Related Requirements:
 - 1. Section 055000 "Metal Fabrications" for miscellaneous steel supports, angle-framing of grille opening.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type and size of overhead coiling grille and accessory.
- B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.
 - 1. Include points of attachment and their corresponding static and dynamic loads imposed on structure.
 - 2. Show locations of controls, locking devices, and other accessories.
 - 3. Include diagrams for power, signal, and control wiring.

1.3 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Seismic Performance: Overhead coiling grilles shall withstand the effects of earthquake motions determined according to ASCE/SEI 7

2.2 OPEN-CURTAIN GRILLE ASSEMBLY

- A. Open-Curtain Grille: Overhead coiling grille with a curtain having a network of horizontal rods that interconnect with vertical links.
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide or comparable product by one of the following:
 - a. Cookson Company.
 - b. Cornell Iron Works, Inc.
- B. Operation Cycles: Grille components and operators capable of operating for not less than 20,000
- C. Grille Curtain Material: Aluminum.
 - 1. Rod Spacing: Approximately 2 inches o.c.
 - 2. Link Spacing: Approximately 9 inches apart in a straight in-line pattern.
 - 3. Spacers: Metal tubes matching curtain material
- D. Bottom Bar: Continuous tubular shape or doubled angles, fabricated from aluminum extrusion and finished to match grille.
- E. Curtain Jamb Guides: Aluminum with exposed finish matching curtain slats. Provide continuous integral wear strips to prevent metal-to-metal contact and to minimize operational noise
- F. Hood: Match curtain material and finish
 - 1. Mounting: As indicated on Drawings.
- G. Locking Devices: Equip grille with locking device assembly
 - 1. Locking Device Assembly: Single-jamb side locking bars, operable from inside and outside with cylinders
- H. Manual Grille Operator: Manufacturer's standard crank operator
 - 1. Provide operator with through-wall shaft operation.
 - 2. Provide operator with manufacturer's standard removable operating arm.
- I. Electric Grille Operator:
 - 1. Usage Classification: Medium duty, up to 12 cycles per hour and up to 50 cycles per day
 - 2. Safety: Listed according to UL 325 by a qualified testing agency for commercial or industrial use.
 - 3. Motor Exposure: Interior
 - 4. Emergency Manual Operation: Crank type.
 - 5. Obstruction-Detection Device: Automatic photoelectric sensor
 - 6. Control Station: Interior mounted
 - 7. Other Equipment: Emergency-egress release.
- J. Curtain Accessories: Equip grille with pole hook

K. Grille Finish:

1. Aluminum Finish: Clear anodized

2.3 MATERIALS, GENERAL

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.4 GRILLE CURTAIN MATERIALS AND CONSTRUCTION

- A. Open-Curtain Grilles: Fabricate metal grille curtain as an open network of horizontal rods, spaced at regular intervals, that are interconnected with vertical links, which are formed and spaced as indicated and are free to rotate on the rods.

- B. Bottom Bar: Manufacturer's standard continuous shape unless otherwise indicated, finished to match grille.

1. Astragal: Equip grille bottom bar with a replaceable, adjustable, continuous, compressible gasket of flexible vinyl, rubber, or neoprene as a cushion bumper.

- C. Grille Curtain Jamb Guides: Manufacturer's standard shape having curtain groove with return lips or bars to retain curtain. Provide continuous integral wear strips to prevent metal-to-metal contact and to minimize operational noise; with removable stops on guides to prevent overtravel of curtain.

1. Removable Posts and Jamb Guides: Manufacturer's standard.

2.5 HOODS AND ACCESSORIES

- A. General: Form sheet metal hood to entirely enclose coiled curtain and operating mechanism at opening head. Contour to fit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Form closed ends for surface-mounted hoods and fascia for any portion of between-jamb mounting that projects beyond wall face. Equip hood with intermediate support brackets as required to prevent sagging.

- B. Removable Metal Soffit: Formed or extruded from same metal and with same finish as curtain if hood is mounted above ceiling, unless otherwise indicated.

- C. Push/Pull Handles: Equip push-up-operated or emergency-operated grille with lifting handles on each side of grille, finished to match grille.

- D. Pole Hooks: Provide pole hooks and poles for grilles more than 84 inches high.

2.6 LOCKING DEVICES

- A. Slide Bolt: Fabricate with side-locking bolts to engage through slots in tracks for locking by padlock, located on both left and right jamb sides, operable from coil side.

- B. Locking Device Assembly: Fabricate with cylinder lock, spring-loaded dead bolt, operating handle, cam plate, and adjustable locking bars to engage through slots in tracks.

1. Lock Cylinders: Cylinders standard with manufacturer and keyed to building keying system.
 2. Keys: Two for each cylinder.
- C. Safety Interlock Switch: Equip power-operated grilles with safety interlock switch to disengage power supply when grille is locked.

2.7 COUNTERBALANCING MECHANISM

- A. General: Counterbalance grilles by means of manufacturer's standard mechanism with an adjustable-tension, steel helical torsion spring mounted around a steel shaft and contained in a spring barrel connected to top of curtain with barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.
- B. Brackets: Manufacturer's standard mounting brackets of either cast iron or cold-rolled steel plate.

2.8 MANUAL GRILLE OPERATORS

- A. General: Equip grille with manual grille operator by grille manufacturer.
- B. Crank Operator: Consisting of crank and crank gearbox, steel crank drive shaft, and gear-reduction unit, of type indicated. Size gears to require not more than **25 lbf** force to turn crank. Fabricate gearbox to be oil tight and to completely enclose operating mechanism. Provide manufacturer's standard crank-locking device.

2.9 ELECTRIC GRILLE OPERATORS

- A. General: Electric grille operator assembly of size and capacity recommended and provided by grille manufacturer for grille and operation cycles requirement specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, solenoid-operated brake, clutch, control stations, control devices, integral gearing for locking grille, and accessories required for proper operation.
1. Comply with NFPA 70.
- B. Usage Classification: Electric operator and components capable of operating for not less than number of cycles per hour indicated for each grille.
- C. Motors: Reversible-type motor with controller (disconnect switch) for motor exposure indicated.
1. Electrical Characteristics:
 - a. Phase: Single phase
 - b. Volts: 115V.
 - c. Hertz: 60.
 2. Motor Size: Minimum size as indicated. If not indicated, large enough to start, accelerate, and operate grille in either direction from any position, at a speed not less than 8 in./sec. and not more than 12 in./sec., without exceeding nameplate ratings or service factor.

3. Operating Controls, Controllers (Disconnect Switches), Wiring Devices, and Wiring: Manufacturer's standard unless otherwise indicated.
- D. Obstruction-Detection Device: External entrapment protection consisting of indicated automatic safety sensor capable of protecting full width of grille opening. Activation of sensor immediately stops and reverses downward grille travel.
 1. Photoelectric Sensor: Manufacturer's standard system designed to detect an obstruction in grille opening without contact between grille and obstruction.
- E. Control Station: Three-button control station in fixed location with momentary-contact push-button controls labeled "Open" and "Stop" and sustained- or constant-pressure push-button control labeled "Close."
 1. Interior-Mounted Units: Full-guarded, surface-mounted, heavy-duty type, with general-purpose NEMA ICS 6, Type 1 enclosure.
- F. Emergency Manual Operation: Equip electrically powered grille with capability for emergency manual operation. Design manual mechanism so required force for grille operation does not exceed **25 lbf**
- G. Emergency Operation Disconnect Device: Equip operator with hand-operated disconnect mechanism for automatically engaging manual operator and releasing brake for emergency manual operation while disconnecting motor without affecting timing of limit switch. Mount mechanism so it is accessible from floor level. Include interlock device to automatically prevent motor from operating when emergency operator is engaged.
- H. Motor Removal: Design operator so motor may be removed without disturbing limit-switch adjustment and without affecting emergency manual operation.
- I. Emergency-Egress Release: Flush, wall-mounted handle mechanism, for accessibility-code-compliant egress feature, not dependent on electric power. The release allows an unlocked grille to partially open without affecting limit switches to permit passage, and it automatically resets motor drive upon return of handle to original position.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install overhead coiling grilles and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports, according to manufacturer's written instructions and as specified.
- B. Adjust hardware and moving parts to function smoothly, so that grilles operate easily, free of warp, twist, or distortion. Lubricate bearings and sliding parts as recommended by manufacturer.

3.2 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain overhead coiling grilles.

END OF SECTION 083326

