

2. AMENDMENT/MODIFICATION NO. 0005	3. EFFECTIVE DATE OCT 08, 2004	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable) SPEC. NO. 1389
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	
DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, SACRAMENTO SACRAMENTO, CALIFORNIA 95814-2922		DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, SACRAMENTO SACRAMENTO, CALIFORNIA 95814-2922	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(✓)	9A. AMENDMENT OF SOLICITATION NO. W91238-04-R-0028
	X	9B. DATED (SEE ITEM 11) AUG 31, 2004
		10A. MODIFICATION OF CONTRACTS/ORDER NO. N/A
		10B. DATED (SEE ITEM 13) N/A
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 1 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)  
N/A

NOTE: ITEM 13 BELOW IS N/A.

**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. N/A
	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) N/A

**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.)  
Fitness Center  
Hill AFB, Utah

NOTE: The Bid Opening has been changed from: October 13, 2004 at 3:00 P.M.  
TO: **OCTOBER 20, 2004 at 3:00 P.M. (Local)**

1 Encl.

1. Revised Pages: SF 1442 (2 pages), 00100-2, 00100-4, 00100-5, Attachment No. 20 (SK-6 & SK-6A), 01011-11-4, Section 01011 (Chapters; D53, D62, D7), 01505-9,

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)
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED
	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)
	16C. DATE SIGNED

<b>SOLICITATION, OFFER, AND AWARD</b> <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO. W91238-04-R-0028	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED(RFP)	3. DATE ISSUED 31-Aug-2004	PAGE OF PAGES 1 OF 6
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**IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.**

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NO.
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7. ISSUED BY USACE SACRAMENTO DISTRICT ATTN: CONTRACTING DIVISION 1325 J STREET SACRAMENTO CA 95814-2922	CODE W91238	8. ADDRESS OFFER TO <i>(If Other Than Item 7)</i> CODE
TEL:	FAX:	See Item 7

9. FOR INFORMATION CALL:	A. NAME CHERYL Y GANNAWAY	B. TELEPHONE NO. <i>(Include area code)</i> (NO COLLECT CALLS) 916-557-6933
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**SOLICITATION**

**NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".**

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS *(Title, identifying no., date):*

Fitness Center  
Hill Air Force Base, Utah

The work consists of the design and construction of a new 2-story, 6,000 SM (64,583 SF) physical fitness center with health and wellness center. The facility is required to support combat readiness and improve the physical fitness of active duty and reserve personnel. Facility includes sport courts, racquetball courts, fitness areas, group exercise areas, a Health and Wellness Center, locker rooms, and associated functions Typical for this type of facility. Four option items are included: 1) indoor elevated running track; 2) indoor climbing wall; 3) 11th Street running track POV turn-out, and; 4) outdoor lighting for the outdoor track. Demolition includes the existing running track located about the bubble fitness facility. The facility shall be of permanent construction, have a standing seam metal roof, and shall be architecturally compatible with the Hill AFB Architectural Standards. The project includes development of design deliverables for review (2 to 3 submittal tracks plus back-check processes), sustainable design using LEEDs rating system (Green Building Council), anti-terrorism/force protection, design deliverables for demolition and construction, grading, running track, offices, relocation/protection of utilities, utility service connections and runs, fire-protection/life safety systems, handicapped accessible, elevator, elevated running track, EMCS, HVAC, all necessary conduits and cabling (including interior COMM cabling), plumbing, mechanical systems, interior utilities, interior/exterior finishes, exterior security lighting, parking (POV), accesses around the structure, and all necessary features (interior and exterior) to yield safe, complete, and useable facilities for their intended use.

This is a design/build project; the offeror chosen will complete the design and construct the facility. The acquisition method is negotiated procurement. A technical and price proposal will be required. Evaluation by the Government will result in selection of a firm that represents the best value to the Government.

Any Contract awarded under this solicitation will be made pursuant to Public Law 100-656, Small Business Competitiveness Demonstration Program.

Estimated Cost Range of Project: \$10,000,000 - \$25,000,000

11. The Contractor shall begin performance within 10 calendar days and complete it within 540 calendar days after receiving  award,  notice to proceed. This performance period is  mandatory,  negotiable. (See FAR 52.211-10.)

12 A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? <i>(If "YES," indicate within how many calendar days after award in Item 12B.)</i>	12B. CALENDAR DAYS
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	10

13. ADDITIONAL SOLICITATION REQUIREMENTS:

- A. Sealed offers in original and 8 copies to perform the work required are due at the place specified in Item 8 by 03:00 PM (hour) local time 20 Oct 2004 (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.
- B. An offer guarantee  is,  is not required.
- C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- D. Offers providing less than 110 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.



FAX: (916) 557-7854, Attn: Cheryl Gannaway

E-MAIL: [Cheryl.Y.Gannaway@usace.army.mil](mailto:Cheryl.Y.Gannaway@usace.army.mil), AND [Patricia.B.Trainer@usace.army.mil](mailto:Patricia.B.Trainer@usace.army.mil).

(4) Please include the solicitation number, the project title, the location of the project, the full name of your company and your telephone and FAX numbers in your correspondence. Written inquiries should be received by this office not later than 14 calendar days prior to the date set for receipt of offers.

(5) Oral explanations or instructions are not binding. Changes to the solicitation can only be made by an amendment to the solicitation.

**52.0215-4582 ALT I DIRECTIONS FOR SUBMITTING OFFERS (MAR 2003)**

Envelopes/packages containing offers must be sealed, marked and addressed as follows:

MARK ENVELOPES/PACKAGES:

Solicitation No. W91238-04-R-0028  
Closing Date: **20 OCT 2004**  
Closing Time: 3:00 PM Local Time

ADDRESS ENVELOPES/PACKAGES TO:

Department of the Army  
U.S. Army Engineer District, Sacramento  
ATTN: Contracting Division  
1325 J Street  
Sacramento CA 95814-2922

SPECIAL INSTRUCTION PERTAINING TO HAND-CARRIED OFFERS:

Hand-carried offers must be delivered to: The Building Lobby at 1325 J Street, Sacramento, CA.

Due to security precautions, all Corps of Engineers visitors are now required to sign-in, leave a Photo-ID (such as a drivers license), and get a Visitor's Pass at the Security Desk in the Building Lobby. Offerors may no longer hand-carry their offers directly to Contracting Division without an authorized escort. Offers may NOT be either turned-in at the Security Desk or left unattended elsewhere in the Lobby. Additionally, you are advised that there is no longer public parking in the Building.

The contract specialist will be in the Building Lobby 20 minutes prior to the closing time to accept hand-carried offers. After announcing that no further offers will be received, the contract specialist will have the hand-carried offers x-rayed as a security precaution.

Offerors who desire to hand-deliver their offers at an earlier time must notify the contract specialist in advance in order to arrange to be met in the Building Lobby by Contracting Division personnel. In the event the contract specialist cannot be reached, please call the main Contracting Division telephone number, (916) 557-5201, in order to request assistance.

Please ensure that all courier and delivery personnel are aware of these procedures.

**52.0209-4501 CONTRACTOR RESPONSIBILITY, PREAWARD SURVEY (MAR 2002)**

1325 J Street  
 Engineering Division, District Library, 8<sup>th</sup> Floor  
 Sacramento, CA 95814-2922  
 Telephone Number (916) 557-6657

b. Construction Criteria Base (CCB). The Construction Criteria Base (CCB) system available through the National Institute of Building Sciences includes copies of Corps of Engineers methods and specifications. Documents that are available from this or other such sources will no longer be available directly from the Corps and should be obtained from those sources. Information about the CCB and ordering instructions can be obtained from:

National Institute of Building Sciences  
 1090 Vermont Ave., NW, Suite 700  
 Washington, D.C. 20005  
 Phone: 202/289-7800 (ask for CCB Information)

c. The Corps of Engineers manual, EM 385-1-1, Safety and Health Requirements Manual, is available on the Internet at the following location:  
<http://www.usace.army.mil/inet/usace-docs/eng-manuals/em385-1-1/>.

**52.0215-4583 TELEGRAPHIC OFFERS (JUL 2000)**

TELEGRAPHIC OFFERS ARE NOT ACCEPTABLE.

However, offers may be modified or withdrawn by telegraphic notice. Any telegram to modify an offer sent to this office must be received in the office designated in the solicitation for receipt of offers not later than the exact date and time set for receipt of offers. A telegraphic modification of an offer received in such office by telephone from the receiving telegraph office not later than the exact date and time set for receipt of offers shall be considered. However, the telephone message shall be confirmed by the telegraph company by sending a copy of the written telegram that formed the basis for the telephone call. The written telegram shall be sealed in an envelope by a proper official and sent to the office designated in the solicitation for receipt of offers. The official shall write on the envelope (1) the date and time of receipt and by whom, and (2) the solicitation number, and shall sign the envelope. The offeror is responsible to inform the telegraph company of these requirements. No one from this office will be dispatched to the local telegraph office to pick up any telegram for any reason. An offer may be withdrawn by telegraphic notice received at any time prior to contract award.

**52.0214-4584 FACSIMILE BIDS/OFFERS (APR 1992)**

Facsimile bids/offers, modifications thereto, or cancellations of bids/offers will not be accepted.

**52.0219-4581 PREPARATION OF SUBCONTRACTING PLAN (JAN 2003)**

(a) See FAR 52.219-9, Section 00700, of this solicitation. Located in **Section 00110** of this solicitation is a sample Subcontracting Plan which will aid the Contractor in preparing a Subcontracting Plan in accordance with FAR 52.219-9(d)(1) through (d)(11). Subcontracting Plans will be developed considering only the subcontracts actually to be awarded. Subcontracting Plans are required **from other than small business firms** if the contract price is over \$1 million; they are not required from small business firms regardless of the contract price.

(b) The sample Subcontracting Plan is attached to this solicitation for information purposes. Review of the Subcontracting Plan by the Government will be in accordance with FAR 19.705-4. For Invitation for Bids a Subcontracting Plan will be required only from the low bidder if the low bidder is a large business and the low bid is over \$1 million. The Subcontracting Plan is not required from the low bidder until after

the Bid Opening; it is not required as part of the bid package. After the Bid Opening, if the selected bidder fails to submit an acceptable plan within the time prescribed by the Contracting Officer, the bidder will be ineligible for award. **For Request for Proposals, a Subcontracting Plan is required with submission of the proposal package.**

(c) A Subcontracting Plan which proposes goals less than the recommended goals below must contain support, in writing, for the lesser goals and discuss the Contractor's good faith effort to meet the recommended floors.

(d) In accordance with FAR 19.704 if the contract contains options, the cumulative value of the basic contract and all options is considered in determining whether a subcontracting plan is necessary. If a plan is necessary, the subcontracting plan shall contain separate parts, one for the basic contract period and one for each option period. It is necessary to address planned subcontracting dollars and percentages of total to be awarded to small businesses, small disadvantaged businesses, HUBZone small businesses, women-owned small businesses, veteran-owned small businesses, service-disabled veteran-owned small businesses, Hispanic Servicing Institutions and Tribal Council Universities, HBCU/MIs, and qualified nonprofit agencies for the blind and other severely disabled for the basic contract period and each option period. All other parts of the subcontracting plan only need to be addressed once.

(e) Subcontracts awarded to HUBZone small businesses, small disadvantaged businesses, women-owned small businesses, veteran-owned small businesses, service-disabled veteran-owned small businesses, Hispanic Servicing Institutions and Tribal Council Universities, HBCU/MIs, and qualified nonprofit agencies for the blind and other severely disabled count toward the overall small business goal. HBCU/MIs are counted as a subset of the small disadvantaged business goal. The Corps of Engineers has not been assigned separate goals for qualified nonprofit agencies for the blind and other severely disabled, HBCU/MIs, Hispanic Servicing Institutions and Tribal Council Universities, or for HUBZone small business concerns.

(f) Qualified nonprofit agencies for the blind and other severely disabled, that have been approved by the Committee for Purchase from People Who Are Blind or Severely Disabled under the Javits-Wagner-O'Day Act (41 U.S.C. 46-48), are eligible to participate in the program as a result of 10 U.S.C. 2410d and Section 9077 of Pub. L. 102-396 and similar sections in subsequent Defense appropriations acts. Under this authority, subcontracts awarded to such entities may be counted toward the prime contractor's small business subcontracting goal.

(g) Contact Ms. Michelle Stratton (916)557-7641, Deputy for Small Business, with questions on the Subcontracting Plan requirements and further instructions on submission of Standard Forms 294 and 295 as required by FAR 52.219-9. These forms with clarifying instructions will be furnished by the Deputy for Small Business to the Contractor's Subcontracting Plan Administrator after contract award.

(h) The accepted Subcontracting Plan will be incorporated into and made a material part of the contract.

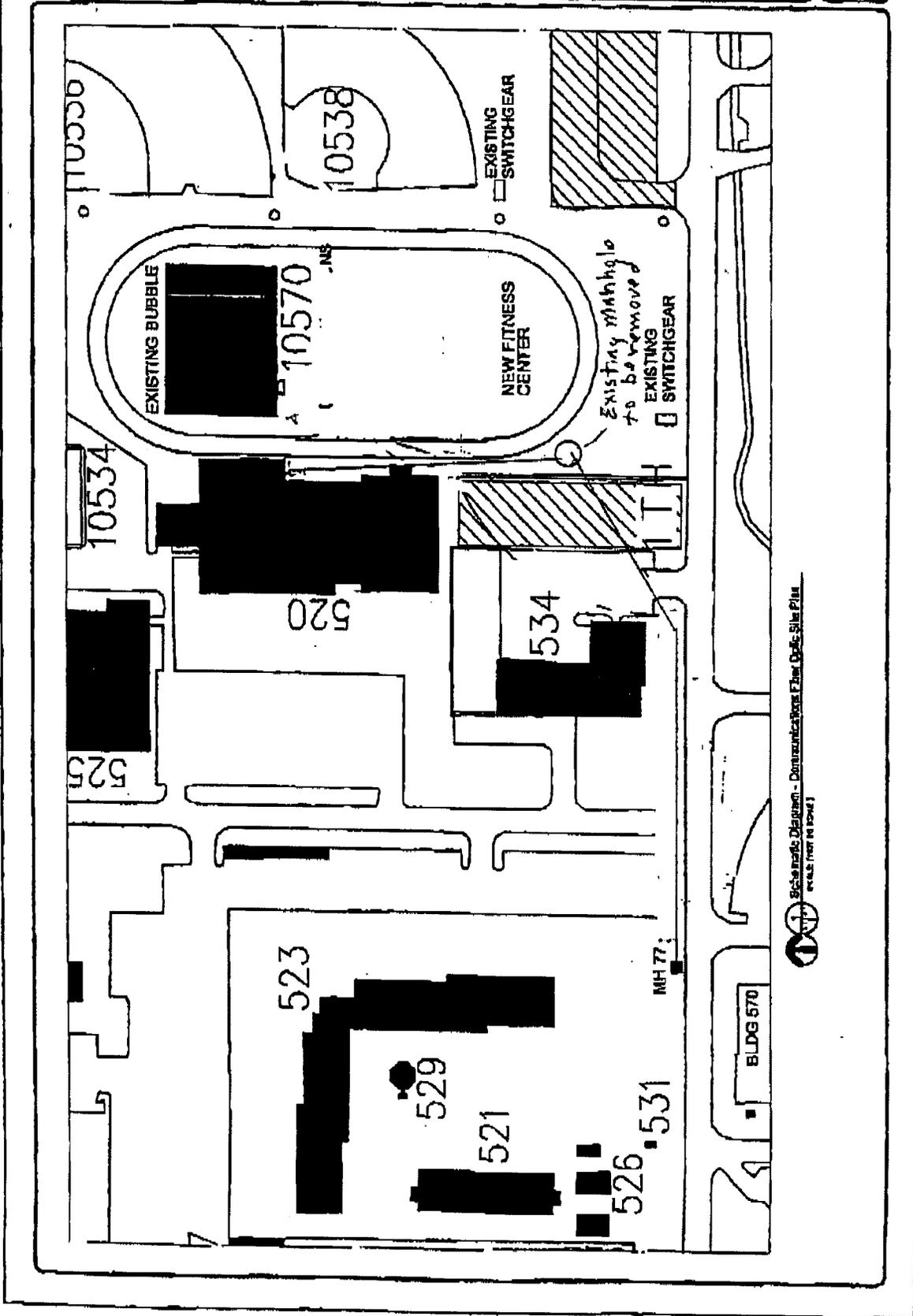
(i) The Corps of Engineers highly encourages all bidders/offerors to meet the recommended subcontracting goals as follows:

Small Businesses	57.2%
Small, Disadvantaged Businesses	10.0%
Women-Owned Small Businesses	10.0%
HUBZone Small Business	3.0%
Service Disabled Veteran Owned Small Business	3.0%

The goals are calculated as a percentage of the TOTAL SUBCONTRACTING DOLLARS, NOT THE TOTAL CONTRACT AMOUNT.



			Physical Fitness Facility F703 MCON	Physical Fitness Facility F703 MCON
			Physical Fitness Facility F703 MCON	Physical Fitness Facility F703 MCON



1. Schematic Diagram - Communications Fiber Optic Site Plan  
 (see also floor plan)

diagonally opposite each other. Provide two volleyball courts with stripping. Locate volleyball courts one per each basketball court. Provide floor recessed metal sockets for volleyball netting setup. The basketball goals shall be lowered from the ceiling. The basketball goals shall be placed as to not interfere with the elevated running track. The basketball goals shall be power operated. Provide 10'-0" run around perimeter around the basketball courts and a 20'-0" space between them. Provide floor-recessed receptacles for scoreboard connections at these locations. Provide power retractable curtain that can separate the two basketball courts. At one side of the main court, provide power retractable bleachers 4 tiers high x length to match the long dimension of basketball court. Provide 8 fiberglass basketball goals. Provide glass for natural daylighting and views to exterior at indoor running track level. Provide alcoves for drinking fountains. Provide rubberized flooring at drinking fountain recessed alcoves. Provide 2 electronic scoreboard with shot clocks, public address system and flush mounted outlets for scorekeeper. Provide a double door 2 (3'-0"x 7'-0") for moving large equipment in/out of the new facility. Provide light fixtures with protective wire covering to guard against impact. Provide 2 10'-0"x10'-0" lockable storage rooms, one at each side of bleachers. Provide area for lockable storage and controls for power bleachers and power curtains in one of the 10'-0" x 10'-0" storage room spaces. Provide smooth split face integrally colored CMU from finish floor to 12'-0" min. above finished floor. **Face finish of integrally colored CMU above 12'-0" is designer choice.**

- 1.4.14 **Racquet Ball Courts:** 3 Racquet ball courts, 40' x 20' ea. Provide a shatterproof glass back wall/door for viewing and officiating. Provide transition spaces for stretching space outside each court for warm up and cool down. Provide 14" wide laminated wood benches (clear finish) in the transition space. These spaces should be "recessed" off of the main circulation spine. Provide mounting sockets and netting for wally-ball. Provide viewing area at the second floor.
- 1.4.15 **Senior Fitness Room:** Provide continuous mirrors on at least two walls to start 12" above finished floor to 84" above finished floor. Provide alcoves for drinking fountains. Provide rubberized flooring at drinking fountain recessed alcoves. Provide a continuous stretching bar along one wall. Provide recessed, built-in lockable cabinet for 42" plasma TV screen, DVD, VCR and sound system. Provide a ceiling mounted bracket for a 42" plasma screen (NIC). Provide ceiling fans.
- 1.4.16 **Massage Room:** Provide power outlets and controlled lighting. Provide space for two visually separated massage tables, chairs and equipment (NIC). Provide a small wash basin (rim mounted) and cabinet for storage materials. Provide dedicated HVAC control. Provide 3 12"Wx18"Dx72"H lockers. Provide a changing room. Locate in a remote area of the second floor that is free of noise and distractions.
- 1.4.17 **Group Exercising (Large and Small Exercise Rooms):** This will include area for stretching, large exercise room and small exercise room. Provide a min 12'-0" clear ceiling height in the large exercise room. Locate facing east, southeast or south, provide continuous glass in even increments (as structural allows) from 12" A.A.F. to 84" A.A.F. Provide alcove for drinking fountain or conveniently locate drinking fountain outside the group exercise room. Provide rubberized flooring at drinking fountain alcoves. Provide hardwood floor for group (aerobic) exercising. Design the group exercise to allow for flexibility in use. Provide method of fastening padding on walls for use during combative sports and provide storage space for the mats. Provide a continuous stretching bar on at least one wall. Provide securable storage for mats, aerobic equipment, etc. Provide acoustical separation from the rest of the facility. The room should be able to be closed off. Provide a visual connection to the rest of the facility via aluminum glass storefront. Provide a stretching area outside the group exercise area (This could be a widened corridor). Make provisions for future use. Allow for power outlets and data lines. Provide a ceiling mounted bracket for 42" plasma TV screen (NIC). Coordinate the location of bracket with Fitness Center personnel. Provide for natural daylighting. Provide control lighting system. Provide for a sound system that is contained in a recessed securable area for a 42" plasma TV, DVD, VCR and sound. The control should be easily accessible to the instructor. Provide continuous mirrors on two walls to start at 12" above finished floor to 84" above finished floor. Provide ceiling fans in both large and small exercise rooms. Provide recessed, built-in lockable cabinet for 42" plasma TV screen, DVD, VCR and sound system in large and small exercise rooms. Provide a

**CHAPTER D53****BRANCH CIRCUITS****1. PERFORMANCE**

## 1.1 Basic Function:

- 1.1.1 Power: Provide adequate electrical power and safe and efficient distribution from panelboards to lighting, wiring devices, equipment, and appliances, based on the project program, other requirements and as follows:
- 1.1.2 Branch circuits comprise the following elements:
- a. Branch circuit breakers.
  - b. Conductors and cable from panelboards to fixtures, wiring devices, and mechanical equipment.
  - c. Raceways and boxes.
  - d. Wiring devices, including, but not limited to, receptacles, floor boxes and plates, wall switches, wall dimmers, remote control switching devices, and wall plates.
  - e. Provide GFCI receptacles for all hair dryers, wet location, and receptacles located in the locker rooms.
  - f. Provide lock out and tag out provision for all electrical panels and equipment.
  - g. Power for scoreboards, scoreboard controller and control wiring.
  - h. Power for the shot clocks and control wiring.
  - i. Power and control for bleachers, basketball backboards, curtains, and digital clock at the elevated indoor running track(option).
  - j. Provide power for three fitlinxx kiosks. 1.) Electrical outlets can be mounted either on the wall or the floor, but they shall be recessed and flush with the finished floor or wall to provide a flat surface for the Fitlinxx power plug. Recessed receptacles not flush with the finished floor or wall and with built-in flip-up doors will not work. Unused outlets on the circuit must be protected with insulating safety plastic plug and even with the outlets. Doing so prevents vacuum cleaners and other powered tools from connecting to the dedicated electrical circuit and causing damage to the system. All Fitlinxx equipment circuits must be dedicated to the Fitlinxx system. 2.) Each kiosk requires one dedicated 120 VAC / 20-amp circuit with one duplex circuit. Each electrical outlet must be located within three feet of the kiosk to ensure power cord reach and reduce trip hazard. 3.) Provide one dedicated 120 VAC / 20-amp circuit on one duplex outlet at the communication room for the fitlinxx server system. The outlet must be located within three feet of the network rack.
  - k. Provide minimum two dedicated 120 VAC / 20-amp wall mounted duplex receptacles in the communication for the communication equipment.
  - l. Provide dedicated circuit for each piece of cardio equipment and the actual receptacle configuration required per the equipment manufacturer recessed in the floor. The recessed receptacle should be located at the front of the machine and not creating a hazard for the exercising person.
  - m. Provide dedicated circuit for microwave, range top, oven stove, and dishwasher in the 'hawc' area.
  - n. Provide ceiling recessed power receptacle for ceiling mounted projector and provide empty conduit system from ceiling mounted projector to a floor recessed outlet box with pullwire for future installation of control wiring.
  - o. Provide power for ceiling fans with local 3 speed control mounted on wall.
  - p. Provide power and control for the coiling door at delivery area and coiling grilles at juice bar. The electrical controls shall have manual override.
  - q. Provide power for ice machine and all electrical appliances in the "juice bar" area.
  - r. Provide recessed power outlets for all television locations.
  - s. Pre-wire power for the outside marquee. Marquee will be purchased and supplied by the User. Outside marquee is manufactured by Young Signs Inc. **Provide a 50 A, 3 phase circuit for the marquee.**
  - t. Provide floor recessed receptacles all along the outside walls of the cardio room at 6'-0" on center (for future possible cardio equipment).

- u. Provide floor recessed receptacles along 1 wall at the free weight room and the machine weight room. Provide the receptacles at 6'-0" on center.
- 1.1.3 Where branch circuits are integral with elements defined within another element group, meet requirements of both element groups.
  - 1.1.4 In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter D - Services, and Chapter D5 - Electrical Power, and attached Base Facility Design Standard dated 11 Mar 2004..
- 1.2 Amenity and Comfort:
- 1.2.1 Accessibility: Comply with ADA Accessibility Guidelines and the following:
    - a. Location: Where ADA accessible devices are required, mount devices no higher than 48 inches and not less than 15 inches above the finished floor.
  - 1.2.2 Convenience:
    - a. Provide convenience receptacles at intervals no greater than 10 feet along the base of all wall areas ***of the entire facility*** including the ***gymnasium, and behind bleachers. If indoor track, (option item) is awarded. Provide convenience receptacles at intervals no greater than 10 feet along the base of all walls along the running track.***

END OF CHAPTER D53

**CHAPTER D62****EXTERIOR AREA LIGHTING****1. PERFORMANCE**

## 1.1 Basic Function:

- 1.1.1 Provide artificial lighting for exterior spaces, as required by the project program, that is adequate in quantity, quality, and distribution for the performance of tasks typical for the type of outdoor space and the characteristics of the intended user population.
- 1.1.2 Exterior area lighting comprises the following elements: Exterior luminaires, poles, standards, or other means of mounting the luminaires, power supply, and controls.
- 1.1.3 Where exterior area lighting is integral with elements defined within another element group, meet requirements of both element groups.
- 1.1.4 In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Base Facility Design Standard, Chapter D - Services, and Chapter D6 - Artificial Lighting.

## 1.2 Amenity and Comfort:

- 1.2.1 Light Levels: Provide maintained average illuminance values for exterior spaces that are based on the primary visual tasks to be accommodated and are not less than the following, when measured at grade:
  - a. Parking Lots, High Activity: 1.5 fc, maximum uniformity ratio (average to minimum) of 4:1.
  - b. Parking Lots, Medium Activity: 1.0 fc, maximum uniformity ratio (average to minimum) of 4:1.
  - c. Parking Lots, Low Activity: 0.6 fc, maximum uniformity ratio (average to minimum) of 4:1.
  - d. Building Entrance Areas: 4 fc, maximum uniformity ratio (average to minimum) of 4:1.

## 1.3 Structure:

- 1.3.1 Provide poles for parking lot area lighting that are located to avoid damage by automobiles, mounted to bases that are structurally capable of withstanding moderate impact, or protected by bollards or similar structures.
- 1.3.2 Provide mounting system for exterior area lighting that is capable of withstanding 3-second wind gusts in excess of ~~420~~ 100 mph.

## 1.4 Operation and Maintenance:

- 1.4.1 Minimum Outdoor Operating Temperature: Provide lighting systems that operate at temperatures as low as -20 degrees F.
- 1.4.2 Power Consumption and Efficiency: Comply with requirements of Chapter D6 - Artificial Lighting.
  - a. Lighting Controls: Provide daylight sensing controls, on-off switches, and programmable timing.

**2. PRODUCTS**

## 2.1 Lamps:

- 2.1.1 Use one of the following types:
  - a. High pressure sodium lamps.

**END OF CHAPTER D62**

## CHAPTER D7

## TELECOMMUNICATIONS

## 1. PERFORMANCE

## 1.1 Basic Function:

- 1.1.1 Provide the following telecommunications services:
- Voice and Data (D71): Infrastructure for voice and data transmission and prewiring for all the voice and data.
  - Sound Reinforcement (D72): Public address and music systems.
  - Television (D73): Television distribution and reception.
- 1.1.2 Communications equipment room (CER) and telecommunications closet (TC):
- Design must include a CER on the first floor and a TC to be located directly above the CER. Ref: ETL 02-12, para 8.3.3.2 thru 8.3.3.5 for requirements.
  - Use a CDX plywood with a 4" stand off in the CER and the TC.
- 1.1.3 Conduit Installation:
- Provide four new conduits from manhole 77 through new manhole #1 to new manhole #2. (3) conduits will be 4" open PVC and (1) each will be 4" PVC with 4 each 1" inner duct.
  - Provide two new conduits from new manhole #2 to the communications room in Building 520. (1) conduit will be 4" open PVC and (1) 4" PVC with (4) each 1" inner duct.
  - Provide two new conduits from new manhole #2 to the new communications room in the gym. (1) conduit will be 4" open PVC and (1) 4" PVC with (4) each 1" inner duct.
- 1.1.4 Manholes:
- Provide two new manholes at sites indicated on drawing (attachment 20). Manhole dimensions are 10' L x 8' W x 7' D.
- 1.1.5 Copper Cable:
- Provide a 300 pair copper cable form MH77 to the new manhole #2.
  - Splice in manhole 77 new manhole #1 and new manhole #2 . Splice feeder cable using 3M SC-1 710 modular splice connectors. Cable counts will be provided by the 75 CS/SCMPT, Mr. Gerszewski, 586-8145.
  - Provide a 50 pair copper cable from new manhole #1 to existing power station bldg 562 across 11th Street. Provide one new 4" concrete encased ducts with 4-1" inner ducts from new manhole #1 to bldg 562. Run the new 50 pair copper cable in one of the new 1" inner duct.
  - ~~Provide a 300 pair copper cable from new manhole #1 to new manhole #2.~~
  - Provide a 50 pair copper cable from new manhole #2 into existing Building 520 communication room.
  - Provide a 100 pair copper cable form new manhole #2 to new communications room in the new gym.
- 1.1.6 Fiber Optic Cable:
- Install a 12 strand single mode fiber optic cable from Building 570 to the new communications room in the gym. See attachment 19.
- 1.1.7 Telephone:
- Telephone stations will be terminated on 66 block patch panels. Terminations will be wired to TIA/EIA-568B termination configuration. Data connections will be terminated on a Hubbell 48 port patch panel.
  - Telecommunications outlets will be a 4 position/single gang face plate. Use Hubbell IFP140W outlets with two telephone jacks and two data jacks. (1) each CAT 5e to be split off with 4 pair terminated on two telephone jacks. (2) each CAT 5e to be terminated on the 2 data jacks. Station blocks will consist of 89D1 bracket and M150 terminals.

- c. Data and voice jacks will be provided throughout the offices, admin and security room 6' on center along all walls.
- 1.2 In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance and Chapter D - Services, and attached Base Facility Design Standard dated 11 Mar 2004.
- 2.**

**END OF CHAPTER D7**

## 1.13 MANDATORY WORK STOPPAGES

(A) A mandatory work stoppage occurs whenever the Contractor is restricted from working a full workday and is unable to reallocate work forces to other locations. All costs associated with ten (10) mandatory work stoppages must be included in the bid price.

No additional compensation or extension to the Contract performance period will be given as a result of ten (10) mandatory work stoppages.

(1) In the event that the Contractor's work force is required to evacuate any part of the working area during working hours established by the Contractor for this contract, the Government will then make an adjustment under the clause entitled, FAR 52.212-12 SUSPENSION OF WORK, see Section 00700. The Government's liability will be considered to be limited to reimbursement for loss of time of Contractor's employees and equipment which otherwise would have been employed on the job. The completion time for any part of the work will not be extended if the total number of working hours of work stoppage does not exceed 0.8 times the number of calendar days in the period between the date of notice to proceed and the specified completion date. In the event the Contractor is required to evacuate the area in excess of the time specified above, the completion times will be adjusted.

(B) The Contractor may be required, without advance notice, to move work to a different location. The Contractor shall be prepared to increase or decrease his work forces with appropriate trades to perform work in the relocated work areas at no additional cost to the Government.

(C) The Contractor shall notify the Contracting Officer when a mandatory work stoppage occurs for recording purposes. Otherwise, the work stoppage will not be credited to the Contractor.

## 1.14 MONTHLY SAFETY INSPECTION:

A monthly on-site inspection will be made by the insurance carriers of the prime and subcontractors. The Contractor's safety program will be reviewed and a meeting will be held with the Contracting Officer's Representative to discuss the job-site safety. A written report will be made by the Contractor stating the results of the inspection and the action taken.

## 1.15 AFTER AWARD DOCUMENTS

a. After AWARD the Government will provide to the Contractor, without charge, one copy of the AWARD CD with drawings & specifications, which shall include CONFORMED CALS drawing files, CONFORMED PDF specification files, downloadable submittal register program, and original solicitation drawings and specifications plus all Amendments.

b. The Contractor shall reproduce five (5) hard copy sets from AWARD CD, conformed drawings and specifications that shall be sent directly to the Resident Engineer's Office. The hard copy drawings shall be ANSI D (22" x 34"), and the specifications shall be standard 8-1/2" x 11", 3-hole punched. The Contractor shall provide these documents within 5 work days of the receipt of the AWARD CD from the Government.

c. See the following clause in Section 00700 for additional information: DFARS 252.236-7001 CONTRACT DRAWINGS AND SPECIFICATIONS.

***d. In addition, the Contractor shall reproduce fifteen (15) hard copy sets from AWARD CD, conformed drawings and specifications that shall be distributed in the same manner as shown per the Section 01012 "1st Round Design Submittal for Each Project Feature" distribution matrix for "30% DRAWINGS (ANSI "B")" row, i.e., 1 copy for "MAJ", 1 copy for "DIST", 4 copies for "AE", etc. --- do not include "RES". The hard copy drawings shall be ANSI B (17" x 11"), and the specifications shall be standard 8-1/2" x 11", 3-hole punched with left-side binding using 2 staples, covers shall be heavy weight and salmon color. The Contractor shall reproduce the AWARD CD and include one copy in each distribution package. The Contractor shall provide these documents within 10 work days of the receipt of the AWARD CD from the Government.***

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)