



# Oregon State University

## SPORTS PERFORMANCE CENTER WEIGHT ROOM REFRESH

PROJECT NUMBER: 2147-19

### INVITATION TO BID #2019-000041

#### ADDENDUM NO. 1

ISSUE DATE: July 8, 2019

**CONTRACT ADMINISTRATOR:**

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**Construction Contracts Administration**

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This Addendum is hereby issued to inform you of the following revisions and or clarifications to the above-referenced ITB and/or the Contract Documents for the Project, to the extent they have been modified herein. Any conflict or inconsistency between this Addendum and the Solicitation Document or any previous addenda will be resolved in favor of this Addendum. Bids shall conform to this Addendum. Unless specifically changed by this Addendum, all other requirements, terms and conditions of the Solicitation Document and or Contract Documents, and any previous addenda, remain unchanged and can be modified only in writing by OSU. The following changes are hereby made:

**TECHNICAL SPECIFICATIONS:**

Item 1 **DELETE** Section 11 66 23 Gymnasium Equipment in its entirety and **REPLACE** with Section 11 66 23 Gymnasium Equipment attached to this addendum.

**QUESTIONS:**

Item 2 Q: It looks like a stand-alone LG Split, no BAS connection, with the exception of M2.1 Sheet Notes – talks about interlocking door motors with ACU-4 to turn off ACU-4 when doors are open. There is reference to a Note 1, however it is blank. There is no spec in section 230900, so not sure how they want to interlock the two.

A: The contractor shall install appropriate door switches to close contacts whenever either of the two overhead doors are not fully closed. Wiring of the switch to the DDC system, and programming of the DDC system will be by the owner. Note 1 is not used and any reference to note 1 can be ignored. Note that there is a typographical error whereby the rooftop unit is called ACCU-4 and should be called ACU-4.

SUBSTITUTION REQUESTS:

Item 3 **Spec section 23 81 26** - The following additional manufacturers are approved subject to performance and qualification as specified.

- Lennox
- Fujitsu

Item 4 The following additional manufacturers are approved subject to performance and qualification as specified.

- Solus - SR-2651100-001-00
- Northern Illumination Co. - SR-2651100-002-00

END OF ADDENDUM NO. 1

## **SECTION 11 66 23 - GYMNASIUM EQUIPMENT**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. Section Includes:
  - 1. Exercise equipment.
- B. Related Requirements:
  - 1. Section 09 65 66 "Resilient Athletic Flooring".
  - 2. Section 09 68 16 "Turf Flooring".

#### **1.2 DEFINITIONS**

- A. NCAA: The National Collegiate Athletic Association.

#### **1.3 PREINSTALLATION MEETINGS**

- A. Preinstallation Conference: Conduct conference at Project site.

#### **1.4 ACTION SUBMITTALS**

- A. Product Data: For each type of product.
  - 1. Include assembly, disassembly, and storage instructions for removable equipment.
  - 2. Motors: Show nameplate data, ratings, characteristics, and mounting arrangements.
- B. Shop Drawings: For gymnasium equipment.
  - 1. Include plans, elevations, sections, and attachment details.
  - 2. Include details of field assembly for removable equipment, connections, installation, mountings, floor inserts, and operational clearances.
  - 3. Include transport and storage accessories for removable equipment.
  - 4. Include diagrams for power, signal, and control wiring.
- C. Samples for Initial Selection: For each type of gymnasium equipment.

## **1.5 INFORMATIONAL SUBMITTALS**

- A. Coordination Drawings: Layout plans, reflected ceiling plans, and other details, drawn to scale, and coordinated with ceiling-suspended gymnasium equipment, floor inserts, game lines, and markers applied to finished flooring, and coordinated with each other, using input from installers of the items involved:
  - 1. Structural members to which overhead-supported gymnasium equipment will be attached.
  - 2. Suspended ceiling components, if any.
  - 3. Items supported from building structure above the courts, including the following:
    - a. Luminaires.
    - b. Air outlets and inlets.
    - c. Speakers.
    - d. Sprinklers.
    - e. Smoke detectors.
    - f. Acoustical treatments or panels.
    - g. Access panels.
- B. Setting Drawings: For embedded items and cutouts required in other work.
- C. Qualification Data: For Installer.
- D. Product Certificates: For each type of gymnasium equipment.
- E. Field quality-control reports.
- F. Sample Warranty: For special warranty.

## **1.6 CLOSEOUT SUBMITTALS**

- A. Operation and Maintenance Data: For gymnasium equipment to include in operation and maintenance manuals.

## **1.7 QUALITY ASSURANCE**

- A. Installer Qualifications: Fabricator of products or an entity that employs installers and supervisors who are trained and approved by manufacturer.

## **1.8 FIELD CONDITIONS**

- A. Field Measurements: Verify position and elevation of floor inserts and layout for gymnasium equipment.

## 1.9 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of gymnasium equipment that fail in materials or workmanship within specified warranty period.
1. Warranty Period: 10 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Revise articles below to suit Project. These include paragraphs that are examples of gymnasium equipment and are not intended to be all inclusive. Indicate individual equipment or assembled system dimensions and elevations on Drawings. Use these example paragraphs as guides for developing paragraphs for other types of gymnasium equipment.

### 2.2 EXERCISE EQUIPMENT

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. ~~Arizona Courtlines, Inc. Life Fitness/Hammer.~~
2. ~~Draper Inc. Power Lift.~~
3. ~~Jaypro Sports, LLC PowerBlock.~~
4. ~~Performance Sports Systems Rogue.~~
5. ~~Porter Athletic Equipment Company Woodway USA.~~
6. ~~Commercial Fitness.~~
7. ~~Eleiko Sport.~~
8. ~~Varisport.~~
- 5-9. ~~BioDensity.~~

- B. Source Limitations: Obtain from single source from single manufacturer.

1. ~~Fixed Pad Glute Ham Bench.~~
2. ~~Nordie Hamstring.~~
3. ~~Dumbbells (lbs.):~~
  - a. ~~5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150.~~
4. ~~3 tier Dumbbell Racks.~~
5. ~~Adjustable Benches for Dumbbell Area.~~
6. ~~Benches for Platforms.~~
7. ~~Dual Pulldown/rows.~~
8. ~~Pull Up Dual.~~
9. ~~Pull Up Rotating.~~
10. ~~Battle Ropes.~~

- ~~11. Half Racks.~~
- ~~12. Rack Storage.~~
- ~~13. 10 lb. Olympic Plates.~~
- ~~14. 2.5 lb. Olympic Plates.~~
- ~~15. 5 lb. Olympic Plates.~~
- ~~16. 45 lb. Bumper Plates.~~
- ~~17. 25 lb. Bumper Plates.~~
- ~~18. 10 lb. Bumper Plates.~~
- ~~19. Iron Grip DB's.~~
- ~~20. RFE Rack Attachments.~~
- ~~21. Eleiko Bars 20 kg.~~
- ~~22. Eleiko Bars 10 kg.~~
- ~~23. Power Bars.~~
- ~~24. Power Blocks 90 lbs. with Stands.~~
- ~~25. DC Blocks sets of 12 - 18.~~
- ~~26. Trap Bars.~~
- ~~27. Safety Squat Bars.~~
- ~~28. TRX.~~
- ~~29. Collars.~~
- ~~30. Cable for Pillars.~~
- ~~31. Kettlebells (various weights - kg):~~
  - ~~a. 6, 12, 16, 20, 24, 28.~~
- ~~32. Slideboards.~~
- ~~33. Sleds.~~
- ~~34. Plyo Boxes - set stackable Foam Black.~~
- ~~35. Pit Shark.~~
- ~~36. Leg Press.~~
- ~~37. Leg Extension.~~
- ~~38. Leg Curl.~~
- ~~39. Calf Raise.~~
- ~~40. Chest Press.~~
- ~~41. Machine Row.~~
- ~~42. Woodway Motorized Treadmill.~~
- ~~43. Woodway Curve Treadmill.~~
- ~~44. Ellipticals.~~
- ~~45. Stairmaster 8 Series Gauntlet.~~
- ~~46. Fan Bikes.~~
- ~~47. Spin Bikes.~~
- ~~48. Rowers.~~
- ~~49. Pro 5 Silver Power Plates.~~
- ~~50. Axel Bars.~~
- ~~51. Chalk Bins.~~
1. ACC-CL Collar Spring Rubber Handle.
2. ACC-KB American Kettlebells (various weights - kg):
  - a. 6, 12, 16, 20, 24, 28.
3. HS-BP Hammer Bumper 10lb.

4. HS-BP Hammer Dumbbell Dumbbells (lbs.) 12 side custom:
  - a. 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150.
5. HS-OP Hammer Olympic Plate 10lb RNDX.
6. HS-OP Hammer Olympic Plate 5lb RNDX.
7. HS-OP Hammer Olympic Plate 2.5lb RNDX.
8. HS-PB Hammer Plyo Box Set Stackable Foam Black.
9. FW-DR3 Hammer Strength 3 Tier Dumbbell rack.
10. FW-DWT Hammer Strength Deluxe Weight Tree.
11. FW-XL DR3 3 Tier XL DB Rack 125+ Black.
12. XL DB Tray.
13. FWMAB HMR Adj bench Pro Style.
14. HDL-NH Nordic Hamstring Black.
15. HDLADJN HD Elite Adj Bench Non Dock and Lock.
16. HDLCS HD Elite Custom Sign.
17. HDLDIP-HR HD Elite Dip Handles - Half Rack.
18. HDL DPR HD Elite Dual Pulldown / Row.
19. HDL DPR.9ft.
20. HDLHRS HD Elite Half Rack Short base.
21. Sliding Bottom Band Pegs.
22. Top Band Peg.
23. Power Pivot.
24. Half rack – 9ft.
25. Pull Up Dual.
26. Pull Up Rotating.
27. HD Elite Battle Ropes.
28. HDLSTOR-LD Standard.
29. IL-BP Hammer Strength ISO - Lateral Bench Press Black.
30. IL-LP Hammer Strength ISO Lateral Leg Press.
31. IL-Row Hammer Strength -ISO - Lateral Rowing.
32. WPIG Iron Grip 25lb Plate Iron.
33. WPIG Iron Grip 45lb Plate Iron.
34. ACC-TRX TRX Suspension Trainer.
35. Fixed Pad Glute Ham Bench.
36. Adjustable Wooden Plyometric Box - Power Lift Adj Plyo Box.
37. Pro 90 Commercial - Power Blocks 90 lbs. with Stands.
38. Stand - Pro Rack.
39. 45 lb bumper plates - Rogue Customized Bumper Plate.
40. 25 lb bumper plates - Rogue Customized Bumper Plate.
41. Fan Bikes - Rogue Echo Bike.
42. Rowers - Rogue Concept 2 Rower.
43. Power Bars - Rogue Ohio Power Bar.
44. Trap Bars - Rogue Trap Bar 2.
45. Safety Squat Bars - Rogue Safety Squat Bar.
46. Multi Grip Bar - Rogue Multi Grip Bar.
47. Axel Bars - Rogue Axel Bar.
48. Chalk Bins - Rogue Chalk Bin.
49. Woodway Motorized Treadmill - 4 Front Slant Belt Treadmill.
50. Woodway Curve Non Motorized Slant Belt Treadmill.

- 51. Ellipticals - Precor EFX 835 Elliptical
- 52. Stairmaster 8 Series Gauntlet.
- 53. Spin Bikes - Keiser M3i Indoor Cycle.
- 54. SciFit Upper Body Ergometer.
- 55. Pro 5 Silver Power Plates.
- 56. Eleiko IWF Training Bars 20 kg.
- 57. Eleiko IWF Training Bars 15 kg.
- 58. 10ft Ultra Slide Foot Boards w/ Logo.

## 2.3 MATERIALS

- A. Castings and Hangers: Malleable iron, according to ASTM A47/A47M; grade as required for structural loading.
- B. Softwood Plywood: DOC PS 1, exterior.
- C. Particleboard: ANSI A208.1.
- D. Equipment-Mounting Board: Wood, transparent or neutral-color-painted finish; size and quantity as required to mount gymnasium equipment according to manufacturer's written instructions.
- E. Anchors, Fasteners, Fittings, and Hardware: Gymnasium equipment manufacturer's standard corrosion-resistant or noncorrodible units; concealed; tamperproof, vandal- and theft-resistant design.
- F. Grout: Nonshrink, nonmetallic, premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout, according to ASTM C1107/C1107M, with minimum strength recommended in writing by gymnasium-equipment manufacturer.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for court layout, alignment of mounting substrates, installation tolerances, operational clearances, accurate locations of connections to building electrical system, and other conditions affecting performance of the Work.
  - 1. Verify critical dimensions.
  - 2. Examine supporting structure, subgrades, subfloors, and footings below finished floor.
  - 3. Examine wall assemblies, where reinforced to receive anchors and fasteners, to verify that locations of concealed reinforcements are clearly marked. Locate reinforcements and mark locations.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.



### **3.2 INSTALLATION, GENERAL**

- A. Comply with manufacturer's written installation instructions.
- B. Install gymnasium equipment after other finishing operations, including painting, have been completed unless otherwise indicated.
- C. Permanently Placed Gymnasium Equipment and Components: Install rigid, level, plumb, square, and true; anchored securely to supporting structure; positioned at locations and elevations indicated; in proper relationship to adjacent construction; and aligned with court layout.
  - 1. Floor-Insert Elevation: Coordinate installed heights of floor inserts with installation of finish flooring and floor-plate type.
  - 2. Operating Gymnasium Equipment: Verify clearances for movable components of gymnasium equipment throughout entire range of operation and for access to operating components.
- D. Anchoring to In-Place Construction: Use anchors and fasteners where necessary to secure built-in and permanently placed gymnasium equipment to structural support and to properly transfer load to in-place construction.
- E. Connections: Connect electric operators to building electrical system.

### **3.3 FIELD QUALITY CONTROL**

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Perform the following tests and inspections with the assistance of a factory-authorized service representative:
  - 1. Perform visual inspections and operational tests as recommended by the equipment manufacturer.
- C. Gymnasium equipment will be considered defective if it does not pass tests and inspections.
- D. Prepare test and inspection reports.

### **3.4 ADJUSTING**

- A. Adjust movable components of gymnasium equipment to operate safely, smoothly, easily, and quietly; free from binding, warp, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range; and lubricate as recommended in writing by manufacturer.

**3.5 DEMONSTRATION**

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

**END OF SECTION 11 66 23**