**Gill Athletics, Inc.**

**505 - CAST ALUMINUM VAULT BOX**

**SECTION 11 68 33.43**

**CAST ALUMINUM VAULT BOX**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

A. **CAST ALUMINUM VAULT BOX**

**1.02 RELATED SECTIONS**

A. Section 31 23 00 Excavation and Fill.

B. Section 03 30 00 Cast-in-Place Concrete.

C. Section 32 18 23 Athletic Surfacing.

D. Section 32 12 16 Asphalt Paving.

**1.03 REFERENCES**

1. NFHS – National Federation of State High School Associations (NFHS)
2. NCAA – National Collegiate Athletic Association (NCAA)
3. IAAF – International Association of Athletics Federations (IAAF)
4. FIFA – International Federation of Association Football
5. FIBA – International Basketball Federation

**1.04 DESIGN REQUIREMENTS**

1. Aluminum Vault Box : Locate positions of aluminum vault box on the site plan.
2. Verify that site conditions are adequate to support loads imposed by aluminum vault box.

**1.05 SUBMITTALS**

1. Comply with Section 01 33 00 – Submittal Procedures.
2. Product Data: Submit manufacturer's product data, including materials, components, fabrication, finish, and installation instructions.
3. Operation and Maintenance Manual: Submit manufacturer's operation and maintenance manual; including operation, maintenance, adjustment, and cleaning instructions; trouble shooting guide; parts list.

**1.06 QUALITY ASSURANCE**

A. Single Source Responsibility: Provide aluminum vault box from single manufacturer.

B. Manufacturer's Qualifications: Minimum of 5 consecutive years of experience manufacturing aluminum vault box similar to that specified.

C. Installer's Qualifications: Contractor experienced with track & field installation, concrete work, asphalt paving, and track surfacing.

D. Regulatory Requirements: Aluminum vault box shall conform to latest rules and regulations.

1. National Federation of State High School Associations (NFHS).

2. National Collegiate Athletic Association (NCAA)

3. International Association of Athletics Federations (IAAF)

4. International Federation of Association Football (FIFA)

5. International Basketball Federation (FIBA)

**1.07 DELIVERY, STORAGE, AND HANDLING**

A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions. Keep temporary protective coverings in place.

C. Handling: Protect materials and finish from damage during handling and installation.

**1.08 WARRANTY**

A. Provide 1-year warranty against defects in materials and workmanship, unless otherwise specified.

**PART 2 PRODUCTS**

**2.01 MANUFACTURER**

A. Manufactured and Supplied by:

 Gill Athletics, Inc.

 601 Mercury Drive

 Champaign, Illinois 61822

 Toll Free (800) 637-3090

 Phone (217) 367-8438

 Fax (217) 367-8440

 Web Site [www.gillathletics.com](http://www.gillathletics.com)

 E-Mail sales@gillathletics.com

**2.02 505 - CAST ALUMINUM VAULT BOX**

1. COMPONENTS:
2. Aluminum vault box
	1. cast from #319 aluminum alloy
	2. All sides are cast to a thickness of 3/8 inch
	3. This box incorporates a forward lip , sloping downward at 30 degrees
	4. Two outer wings secure the box in place when placed in concrete

**PART 3 EXECUTION**

**3.01 EXAMINATION**

A. Examine areas to receive aluminum vault box. Notify Architect in writing of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

**3.02 INSTALLATION**

A. Install aluminum vault box in accordance with manufacturer's instructions at locations indicated on the Drawings.

B. Install equipment plumb, level, straight, square, accurately aligned, correctly located, to proper elevation, and secure.

C. Install equipment using manufacturer's supplied hardware and fasteners.

D. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.

1. Remove and replace damaged components that cannot be successfully repaired, as determined by Architect.

**3.03 ADJUSTING**

1. Adjust aluminum vault box to plumb and level as appropriate.

 **END OF SECTION**